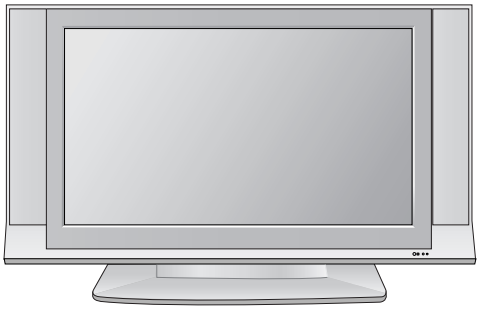
TELEVISOR A LCD
MANUAL DE SERVICIO

CHASSIS : LN61A

MODELO : 32LC3R 32LC3R-MJ

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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PRECAUCIONES DE SEGURIDAD

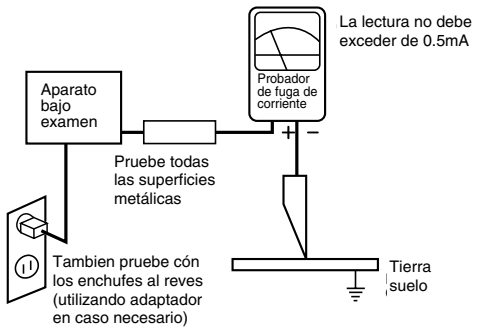
ADVERTENCIA: Antes de dar servicio a este chasis, lea "PRECAUCIONES RESPECTO A RADIACION POR RAYOS X", "INSTRUCCIONES DE SEGURIDAD" y "AVISO SOBRE SEGURIDAD DE PRODUCTOS"

INSTRUCCIONES DE SEGURIDAD

1. Cuando el receptor está en operación, se producen voltajes potencialmente tan altos como 25,000-29,000 voltios. Operar el receptor fuera de su gabinete o con la tapa trasera removida puede causar peligro de choque eléctrico.
   (1) Nadie debe intentar dar servicio si no está debidamente familiarizado con las precauciones que son necesarias cuando se trabaja con un equipo de alto voltaje.
   (2) Siempre descargue el ánodo del tubo de la imagen a tierra para evitar el riesgo de choque eléctrico antes de remover la tapa del ánodo.
   (3) Descargue completamente el alto potencial del tubo de imagen antes de manipularlo. El tubo de la imagen es de alto vacío y, si se rompe, los fragmentos de vidrio salen despedidos violentamente.
2. Si se quemara algún fusible de este receptor de televisión, reemplácelo con otro especificado en la lista de partes.
3. Cuando reemplace tableros o plaquetas de circuitos, cuidadosamente enrolle sus alambres alrededor de las terminales antes de soldar.
4. Cuando reemplace un resistencia de vataje (resistor de película de óxido metálico) en el Tablero o Plaqueta de circuitos, mantenga la resistencia a un mínimo de 10mm de distancia.
5. Mantenga los alambres lejos de componentes de alto voltaje o de alta temperatura.
6. Este receptor de televisión debe conectarse a una fuente de 100 a 240 V AC.
7. Antes de devolver este aparato al cliente, haga una verificación de fuga de corriente sobre las partes metálicas del gabinete expuestas, tales como antenas, terminales, cabezas de tornillos, tapas de metal, palancas de control etc., para estar seguro de que el equipo funciona sin peligro de choque eléctrico. Enchufe el cordón directamente al tomacorriente de la línea de AC 100-240V.

No utilice una línea aislada de transformador durante esta verificación. Use un voltímetro de 1000 Ohmios por voltio de sensibilidad o más, en la forma que se describe a continuación.

Cuando la unidad está ya conectada a la AC, pulse el conmutador primero poniéndolo en "ON" (encendiendo) y luego en "OFF" (apagando), mida desde un punto de tierra conocido, tal como una (cañería de metal, una manija metálica, una tubería etc.) a todas las partes metálicas expuestas del receptor de televisión (antenas, manijas de metal, gabinetes de metal, cubiertas de metal, palancas de control etc.,) especialmente cualquiera de las partes metálicas expuestas que puedan ofrecer un camino hacia el chasis. Ninguna medición de corriente eléctrica debe exceder de 0.5 miliamperios. Repita la prueba cambiando la posición del enchufe en el tomacorriente. Cualquier medición que no esté dentro de los límites especificados aquí representan un riesgo potencial de choque eléctrico que debe ser eliminado antes de devolver el equipo al cliente.


La lectura no debe exceder de 0.5mA
Probador de fuga de corriente
Aparato bajo examen
+
–
Pruebe todas las superficies metálicas
Tambien pruebe cón los enchufes al reves (utilizando adaptador en caso necesario)
Tierra suelo

AVISO SOBRE SEGURIDAD DE PRODUCTOS

Muchas de las partes, electricas y mecánicas en este chasis tienen caracteristicas relacionadas con la seguridad. Estas caracteristicas frecuentemente pasan desapercibidas en las inspecciones visuales y la proteccion que proporcionan contra la RADIACION DE RAYOS-X no siempre necesariamente se obtiene al mismo grado cuando se reemplazan piezas o componentes diseñados para voltajes o vatajes mayores, etc. Las piezas que tienen estas caracteristicas de seguridad se identifican por la marca ⚠ impresa sobre el diagrama esquematico y la marca ★ impresa en la lista de partes. Antes de reemplazar alguno de esos componente, lea cuidadosamente la lista de este manual. El uso de partes de reemplazo que no tengan las mismas caracteristicas de seguridad, como se especifica en la lista de partes, puede crear Radiacion de Rayos-X.

ESPECIFICACIONES

NOTA: Las especificaciones y otra información están sujetas a cambios o actualizaciones sin previo aviso.

1. Rango de Aplicación.

Esta hoja de especificaciones se aplica al chasis LN61A que se usa en el TV LCD.

2. Especificaciones

Cada parte se somete a pruebas, como se indica a continuación, sin cita especial.

2.1 Temperatura: 25±5˚C (77±9˚F), CST : 40±5˚C
2.2 Humedad relativa : 65±10%
2.3 Voltaje de alimentación : Voltaje de entrada estándar (100~240Va 50/60Hz)
* El voltaje estándar de cada producto está marcado según el modelo
2.4 Después de cada ilustración y especificación por número de parte, de acuerdo con BOM, aparece la especificación y rendimiento de cada parte.
2.5 El receptor debe funcionar cerca de 20 minutos antes del ajuste.

3. Método de prueba

3.1 Rendimiento: se sigue el método de prueba LGE TV.
3.2 Otra especificación solicitada
Seguridad: especificación CE, IEC
EMC : CE, IEC

4. Especificación Eléctrica

4.1 Especificación del Módulo
4.1.1 Especificación General (MÓDULO LCD DE 26/27/32/37 PULG.)

N°	Elemento	Especificaciones					Observaciones
1.	Dispositivo de Pantalla	Módulo de Pantalla a Color de 26/27/32/37/42 pulg. de ancho					LCD
2.	Relación de Aspecto	16:9					
3.	Módulo LCD	LCD TFT WXGA 26/27/32/37/42 pulg.					FABRICANTE: AUO/CMO/LPL
4.	Entorno Operativo	1) Temp. : 0 ~ 40 grados 2) Humedad: 0 ~ 85%					ESPECIFICACIÓN LGE
5.	Entorno de Almacenamiento	3) Temp. : -20 ~ 60 grados 4) Humedad: 0 ~ 85 %					
6.	Voltaje de Entrada	AC100 ~ 240V, 50/60Hz					
7.	Consumo de Energía	Encendido (Blanco) ≤máx 240W (42 pulg.) ≤máx 190W (37 pulg.) ≤máx 150W (32 pulg.) ≤máx 130W (26 pulg. /27 pulg.) Espera (Rojo) : 1,0 W					Volumen: 1/8 de volumen de punto de di storsión del sonido
8.	Módulo	AUO	Dimensión de Contorno	26"	626.0x373.0x47.5	mm	
				32"	760.0x450.0x45	mm	
				37"	877.0x514.6x54.7	mm	
			Distancia entre Píxeles	26"	0.4215	mm	
				32"	0.51075	mm	
				37"	0.6x0.6	mm	
			Retroiluminación	26"	8 luz en U		
				32"			
				37"	10 luz en U		
				42"			

N°	Elemento	Especificaciones					Observaciones
		CMO	Dimensión de Contorno	27"	637.55x379.8x40.7	mm	
				32"	760x450x47.53	mm	
			Distancia entre Píxeles	27	0.1455x0.4365	mm	
				32"	0.1730x0.5190	mm	
			Retroiluminación	27"	L01-14 CCFL L04-12 CCFL		
				32"	16CCFL		
		LPL	Dimensión de Contorno	26"	626x373x44.1	mm	
				32"	760.0x450.0x480.0	mm	
				37"	877.0x516.8x55.5	mm	
				42"	1006x610x56 (983x576x51)	mm	
			Distancia entre Píxeles	26"	0.1405x0.4215	mm	
				32"	0.17025x0.51075	mm	
				37"	0.200x0.600	mm	
				42"	0.227x0.681	mm	
			Retroiluminación	26"	18EEFL(17EEFL)		
				32"	18EEFL		
				37"	20EEFL		
				42"	20CCFL(18CCFL)		
		Colores de la Pantalla			16,7M (16,777,216)		(LPL 26 PULG.)
		Recubrimiento			3H, AG		

5. Ajustar Características Ópticas

Luminosidad de superficie, blanca- AV: superior 350cd/m^2 (Blanco completo, PSM: Dinámico, CSM : Normal)
PC superior 250cd/• (Blanco completo, PSM: Dinámico, CSM : Normal)

6. Crominancia y Brillo (Óptico)

N°	Elemento			Min	Típico	Máx	Unidad	Fabricante	Observaciones
1	Luminosidad **(Modo W/O PC)**			400	500(450)		cd/m²	AUO 26", 32", 37" LPL 26", 32", 37", 42" CMO 27" L04, 32" L04 LPL 42"(LC420WX5-SLA1)	- 50 cm desde la superficie - Patrón de Blancos Completo - Luminosidad Central de
				450	550			CMO 27" L01, 32" L01	- Luminosidad Central de
2	Ángulo de Visualización (R/L, U/D)				176/176		grado	AUO 26"	- CR >10
					170/170			AUO 32"	
					176/176			AUO 37"	
					176/176			CMO 27", 32"	
					178/178			LPL 26", 32",37", 42"	- CR > 10
3	Coordenadas de Color	Blanco	X	Típico -0.03	0.280	Típico +0.03			- CIE 1393 AUO 26, 37" (32")
			Y		0.290				
		Rojo	X		0.640				
			Y		0.330				
		Verde	X		0.290				
			Y		0.600				
		Azul	X		0.150				
			Y		0.060				
		Blanco	X	Típico -0.03	0.285	Típico +0.03			CMO 27" (32")
			Y		0.293				
		Rojo	X		0.652				
			Y		0.331/0.332				CMO 27" L01/L04
					0.332/0.333				CMO 32" L01/L04
		Verde	X		0.275/0.275				CMO 27" L01/L04
					0.270/0.275				CMO 32" L01/L04
			Y		0.597/0.595				CMO 27" L01/L04
					0.589/0.595				CMO 32" L01/L04
		Azul	X		0.143/0.143				CMO 27" L01/L04
					0.141/0.143				CMO 32" L01/L04
			Y		0.063/0.064				CMO 27" L01/L04
					0.068/0.063				CMO 32" L01/L04
		Blanco	X	Típico -0.03	0.275/0.285/0.285	Típico +0.03			LPL 26"/32"/37"
					0.281/0.279				LPL 42"/LPL 42"(LC420WX5-SLA1)
			Y		0.279/0.293/0.293				LPL 26"/32"/37"
					0.293/0.292				LPL 42"/LPL 42"(LC420WX5-SLA1)
		Rojo	X		0.630/0.640/0.640				LPL 26"/32"/37"
					0.630/0.635				LPL 42"/LPL 42"(LC420WX5-SLA1)
			Y		0.338/0.343/0.341				LPL 26"/32"/37"
					0.343/0.344				LPL 42"/LPL 42"(LC420WX5-SLA1)
		Verde	X		0.283/0.280/0.287				LPL 26"/32"/37"
					0.275/0.286				LPL 42"/LPL 42"(LC420WX5-SLA1)
			Y		0.607/0.605/0.610				LPL 26"/32"/37"
					0.607/0.614				LPL 42"/LPL 42"(LC420WX5-SLA1)
		Azul	X		0.147/0.145/0.146				LPL 26"/32"/37"
					0.147/0.146				LPL 42"/LPL 42"(LC420WX5-SLA1)
			Y		0.064/0.065/0.069				LPL 26"/32"/37"
					0.068/0.061				LPL 42"/LPL 42"(LC420WX5-SLA1)
4	Relación de Contraste (Modo W/O PC)			600/1000	800 / 1200			AUO	26"/ 32" / 37"
				800	1000/1200			CMO	27" & 32" L01/27" & 32" L04
				CR/CR_D	CR/ CR_D				
				450(500)/ 900(1000)	600(700)/ 1200(1400)			LPL 26"	SL03 (SLB3 – Especificaciones arriba)
				600/1200	800/1600			LPL 32"/37"/42"	CR_D : CR Con AI
				800	1000			LC420WX5-SLA1	

7. Entrada de Video de Componente (Y, P_B, P_R)

N°	Resolución	Frecuencia H (kHZ)	Frecuencia V (kHz)	Reloj de píxeles (MHz)	Observaciones
1.	720x480	15.73	59.94	13.500	SDTV, DVD 480I(525I)
2.	720x480	15.75	60.00	13.514	SDTV, DVD 480I(525I)
3.	720x576	15.625	50.00	13.500	SDTV, DVD 576I(625I) 50Hz
4.	720x480	31.47	59.94	27.000	SDTV 480P
5.	720x480	31.50	60.00	27.027	SDTV 480P
6.	720x576	31.25	50.00	27.000	SDTV 576P 50Hz
7.	1280x720	44.96	59.94	74.176	HDTV 720P
8.	1280x720	45.00	60.00	74.250	HDTV 720P
9.	1280x720	37.50	50.00	74.25	HDTV 720P 50Hz
10.	1920x1080	33.72	59.94	74.176	HDTV 1080I
11.	1920x1080	33.75	60.00	74.250	HDTV 1080I
12.	1920x1080	28.125	50.00	74.250	HDTV 1080I 50Hz

8. Entrada RGB (PC analógico)

N°	Resolución	Frecuencia H (kHZ)	Frecuencia V (kHz)	Reloj de píxeles (MHz)	Observaciones
1.	640x350	31.468	70.09	25.17	EGA
2.	720x400	31.469	70.08	28.321	DOS
3.	640x480	31.469	59.94	25.17	VESA(VGA)
4.	800x600	37.879	60.31	40.00	VESA(SVGA)
5.	1024x768	48.363	60.00	65.00	VESA(XGA)
6	1280x768	47.776	59.87	79.50	WXGA XGA only
7	1360x768	47.720	59.799	84.75	WXGA XGA only
8	1366x768	47.720	59.799	84.75	WXGA XGA only

9. Entrada RGB (DTV)

N°	Resolución	Frecuencia H (kHZ)	Frecuencia V (kHz)	Reloj de píxeles (MHz)	Observaciones
1.	720x480	31.47	59.94	27.000	SDTV 480P
2.	720x480	31.50	60.00	27.027	SDTV 480P
3.	720x576	31.25	50.00	27.000	SDTV 576P 50Hz
4.	1280x720	44.96	59.94	74.176	HDTV 720P
5.	1280x720	45.00	60.00	74.250	HDTV 720P
6.	1280x720	37.50	50.00	74.25	HDTV 720P 50Hz
7.	1920x1080	33.72	59.94	74.176	HDTV 1080I
8.	1920x1080	33.75	60.00	74.250	HDTV 1080I
9.	1920x1080	28.125	50.00	74.250	HDTV 1080I 50Hz

10. Entrada HDMI (DTV)

N°	Resolución	Frecuencia H (kHZ)	Frecuencia V (kHz)	Reloj de píxeles (MHz)	Observaciones
1.	720x480	15.73	59.94	13.500	SDTV, DVD 480I(525I)
2.	720x480	15.75	60.00	13.514	SDTV, DVD 480I(525I)
3.	720x576	15.625	50.00	13.500	SDTV, DVD 576I(625I) 50Hz
4.	720x480	31.47	59.94	27.000	SDTV 480P
5.	720x480	31.50	60.00	27.027	SDTV 480P
6.	720x576	31.25	50.00	27.000	SDTV 576P 50Hz
7.	1280x720	44.96	59.94	74.176	HDTV 720P
8.	1280x720	45.00	60.00	74.250	HDTV 720P
9.	1280x720	37.50	50.00	74.25	HDTV 720P 50Hz
10.	1920x1080	33.72	59.94	74.176	HDTV 1080I
11.	1920x1080	33.75	60.00	74.250	HDTV 1080I
12.	1920x1080	28.125	50.00	74.250	HDTV 1080I 50Hz

INSTRUCCIONES DE AJUSTE

1. Rango de Aplicación

Esta hoja de especificaciones se aplica a todos los chasis LP61A/C, LN61A de TV LCD de 26/27/32/37/42 pulg. (HURRICANE 3 MIDDLE) fabricados en la Planta de televisores de LG en todo el mundo.

2. Especificaciones

2.1 Debido a que éste no es un chasis en caliente, no es necesario utilizar un transformador de aislamiento. Sin embargo, el uso de un transformador de aislamiento ayudará a proteger los instrumentos de prueba.

2.2 El ajuste se debe realizar siguiendo el orden correcto.

2.3 El ajuste se debe realizar a una temperatura de 25±5°C y con una humedad relativa de 65±10% si no hay designación específica.

2.4 El voltaje de entrada del receptor se debe mantener entre 100~220V, 50/60Hz.

2.5 Antes de hacer el ajuste, realice la Prueba de Funcionamiento durante 30 minutos con radio frecuencia sin señal.

3. Elementos de ajuste

3.1 Elementos de ajuste de PCB

- Descargue el software principal de VCTP (IC601,VCPT)
- Memoria de canales (IC603,EEPROM)
- Ajuste del portador de colores

3.2 Elementos de ajuste del TELEVISOR

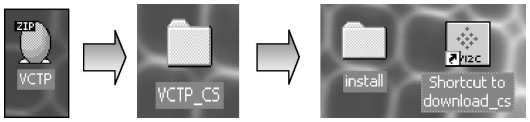
- Entrada de datos DDC.
- Ajuste de Balance de Blancos.
- Entrada de datos de Opción de Factorización

4. PCB de ajuste

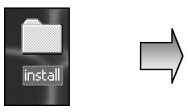
4.1 Método de ajuste de PCB (mediante el programa VCTP descargado)

4.1.1 Descargue la instalación del programa

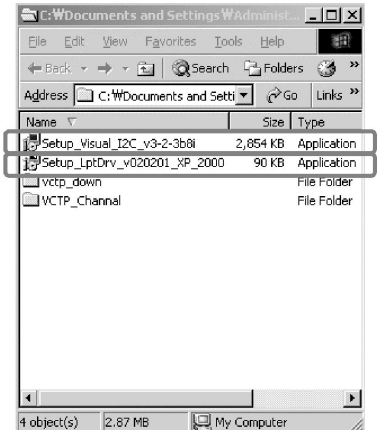
(1) Extraiga un archivo Zip



(2) Instalación del controlador Visual I2C & LPT



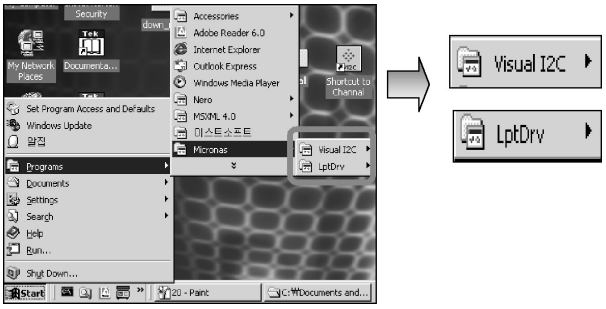
Instale el Controlador LPT
Instale Visual I2C



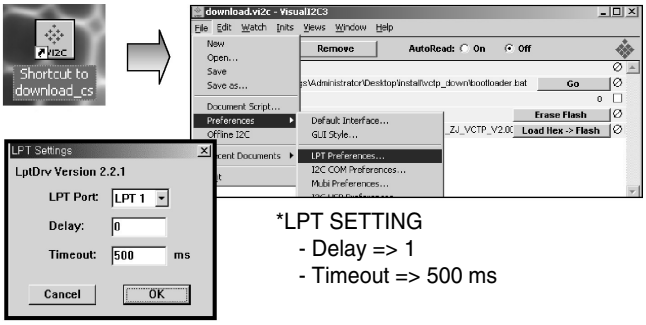
Configuración de Controlador de Puerto LPT (LptDrv): Program Files (Archivos de programa) > Micronas > Visual I2C > Port_Driver (Controlador de puerto)

*Uso para Windows 95/98 : Setup_LptDrv_v0104_9x.exe
*Uso para Windows 2000/XP : Setup_LptDrv_v0202_XP_2000.exe
*Uso para Windows NT : Setup_LptDrv_v0104_NT.exe

(3) Verificación (Start (Inicio) > Programs (Programas) > Micronas > Visual I2C o LptDrv)



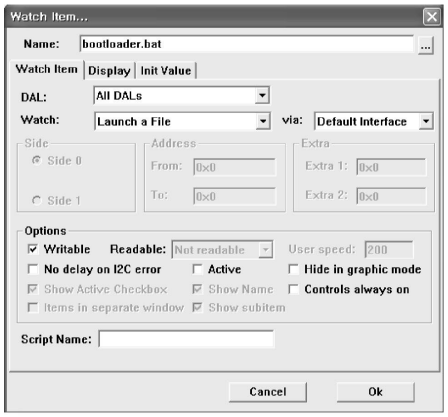
(4) Configuración de demora LPT (File (Archivo) > Preference (Preferencia) > LPT preferentes (Preferencias LPT).)



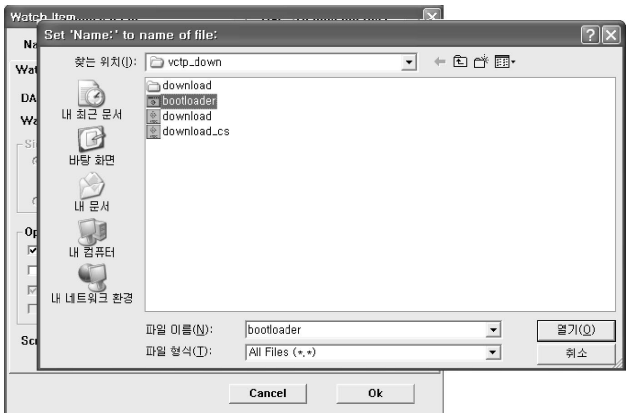
*LPT SETTING
- Delay => 1
- Timeout => 500 ms

(5) E Intercambio del archivo bootloader.bat

=> Double click the Box area.

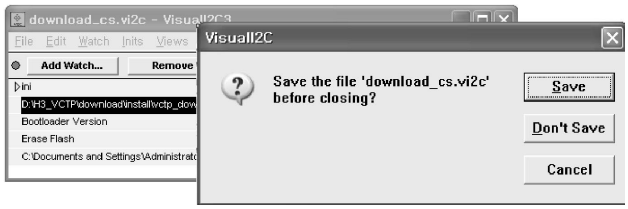

Watch Item...
Name: bootloader.bat
Watch Item Display Init Value
DAL: All DALs
Watch: Launch a File via: Default Interface
Side Address Extra
Side 0 Side 1
From: To:
Extra 1: Extra 2:
Options
Writable Readable: Not readable User speed: 200
No delay on I2C error Active Hide in graphic mode
Show Active Checkbox Show Name Controls always on
Items in separate window Show subitem
Script Name:
Cancel Ok

=> Double click the Box area.



=> Select the "Bootloader.bat" file(install > VCTP_download > Bootloader)

=> Push "OK"

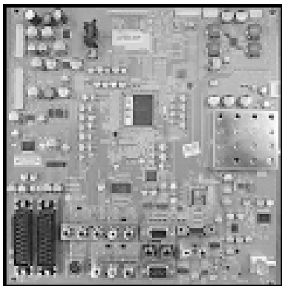


=> Finish the program, after saving the file "download_cs.vi2c"
(if you click [X], the massage appears automatically)

4.1.2. Descarga del programa S/W

• Pasos preliminares

4.1.2.1 Descargue el método 1 (PCB)

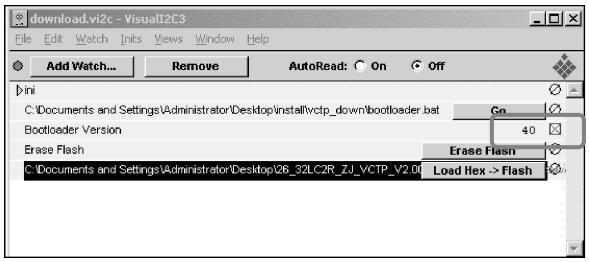


(1) Conecte el soporte de descarga al conector D-sub

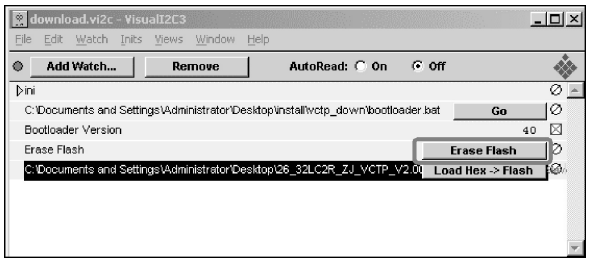
(2) Ejecute el programa “Download.vi2c”en PC; se abrirá una ventana principal

Haga doble clic

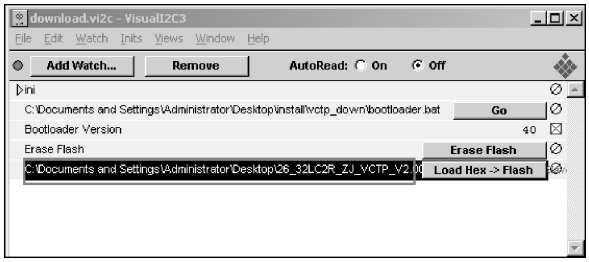
(3) Haga doble clic en la caja azul y confirme “Bootloader Version” como 40.



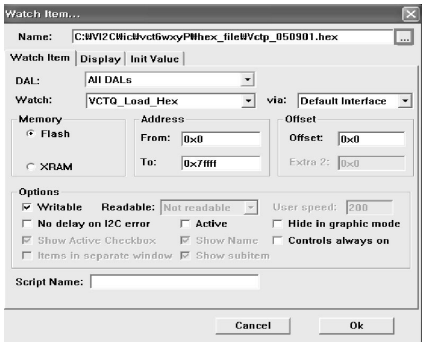
(4) Haga clic en el botón “Erase Flash” (Borrar Flash)



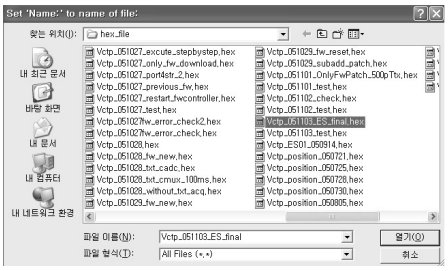
(5) Haga doble clic en el archivo de la descarga; se abrirá la ventana de “edición”



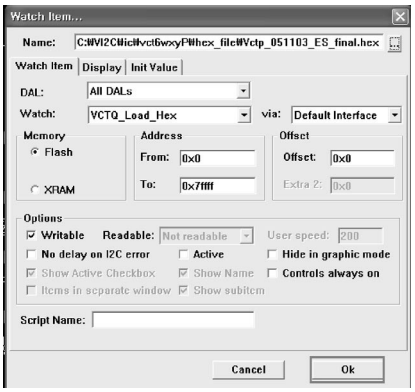
(6) Haga clic en el botón de opción en la “ventana de edición”; luego se abrirá la “ventana de opción de archivo”



(7)Elija el archivo Hex en la carpeta y ejecute la descarga haciendo clic en el botón “Open” (Abrir).



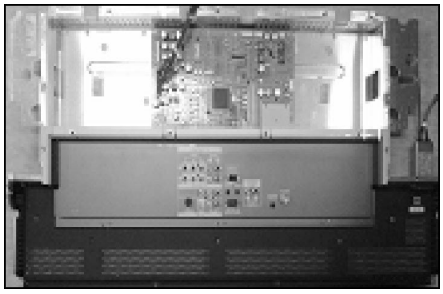
(8) Haga clic en el botón OK en la “ventana de edición”



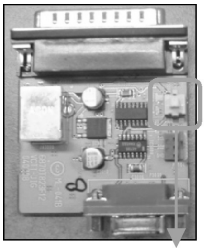
(9) En Downloading process (Proceso de descarga)

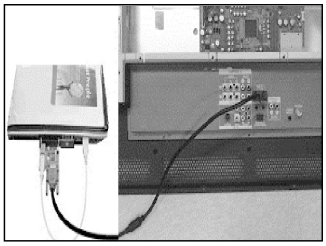
(10) Si la descarga falla, por ejemplo, “Sin información de la estación secundaria”. Vuelva a ejecutar la descarga desde (1)

4.1.2.2 Método de descarga 2 (Placa AV)



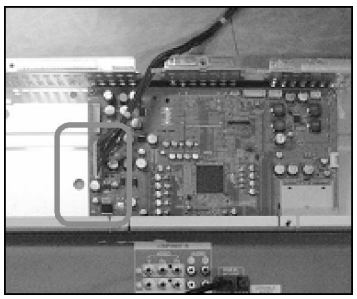
(1) Presione S/W “ON” (ENCENDIDO) (conecte SCL a GND mediante un interruptor en el soporte) y conecte el soporte de descarga al conector D-sub



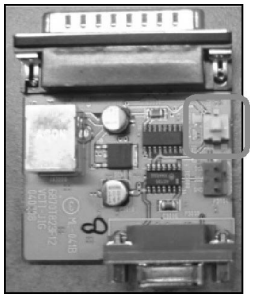


Push S/W

(2) Suministre energía (5V en espera) y espere tres segundos.



(3) Presione S/W off (apagado) (Desconecte SCL de GND mediante un interruptor en el soporte)

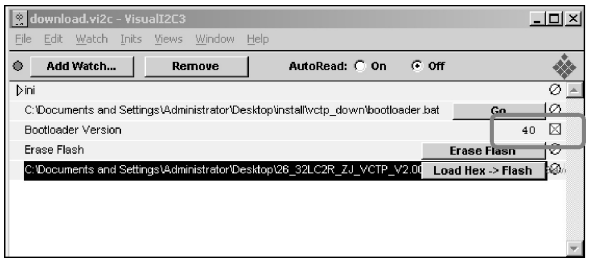


Push S/W

(4) Ejecute el programa “Download.vi2c” en PC; se abrirá una ventana principal.

Haga doble clic

(5) Haga doble clic en la caja azul y confirme “Bootloader Version” como 40.



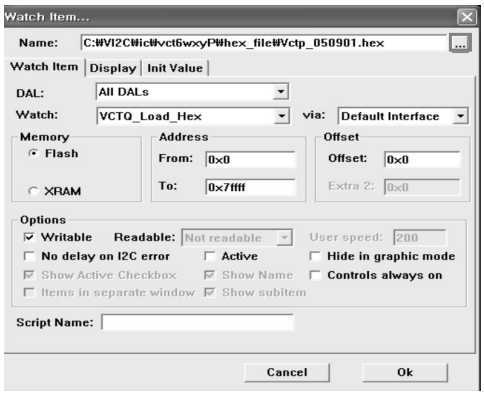
(6) Haga clic en el botón “Erase Flash” (Borrar Flash)

download.vi2c - Visual I2C 3
File Edit Watch Inits Views Window Help
Add Watch... Remove AutoRead: On Off
ini
C:\Documents and Settings\Administrator\Desktop\install\vctp_down\bootloader.bat Go
Bootloader Version 40
Erase Flash Erase Flash
C:\Documents and Settings\Administrator\Desktop\26_32LC2R_ZJ_VCTP_V2.00 Load Hex -> Flash

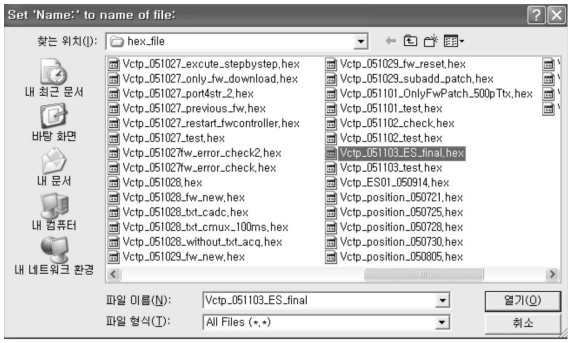
(7) Haga doble clic en el archivo de la descarga; se abrirá la ventana de “edición”

download.vi2c - Visual I2C 3
File Edit Watch Inits Views Window Help
Add Watch... Remove AutoRead: On Off
ini
C:\Documents and Settings\Administrator\Desktop\install\vctp_down\bootloader.bat Go
Bootloader Version 40
Erase Flash Erase Flash
C:\Documents and Settings\Administrator\Desktop\26_32LC2R_ZJ_VCTP_V2.00 Load Hex -> Flash

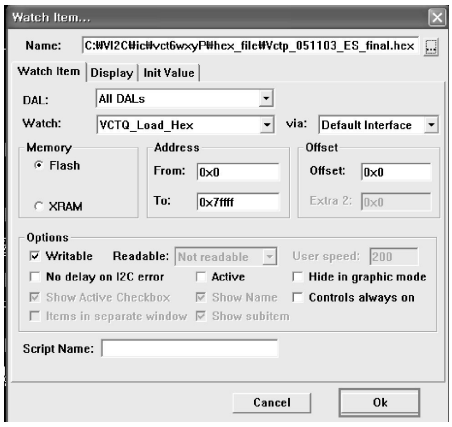
(8) Haga clic en el botón de opción en la “ventana de edición”; luego se abrirá la “ventana de opción de archivo”


Watch Item...
Name: C:\VI2C\ic\vct6wxyP\hex_file\Vctp_050901.hex
Watch Item Display Init Value
DAL: All DALs
Watch: VCTQ_Load_Hex via: Default Interface
Memory Flash XRAM
Address From: 0x0 To: 0x7ffff
Offset Offset: 0x0 Extra 2: 0x0
Options
Writable Readable: Not readable User speed: 200
No delay on I2C error Active Hide in graphic mode
Show Active Checkbox Show Name Controls always on
Items in separate window Show subitem
Script Name:
Cancel Ok

(9) Elija el archivo Hex en la carpeta y ejecute la descarga haciendo clic en el botón “Open” (Abrir).

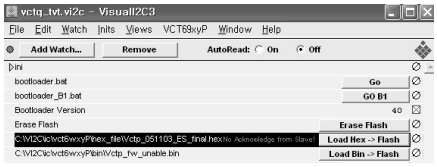


(10) Haga clic en el botón OK en la “ventana de edición”


Watch Item...
Name: C:\VI2C\ic\vct6wxyP\hex_file\Vctp_051103_ES_final.hex
Watch Item Display Init Value
DAL: All DALs
Watch: VCTQ_Load_Hex via: Default Interface
Memory Flash XRAM
Address From: 0x0 To: 0x7ffff
Offset Offset: 0x0 Extra 2: 0x0
Options
Writable Readable: Not readable User speed: 200
No delay on I2C error Active Hide in graphic mode
Show Active Checkbox Show Name Controls always on
Items in separate window Show subitem
Script Name:
Cancel Ok

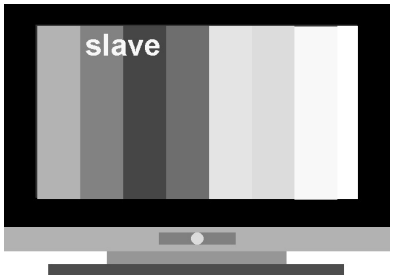
(11) En Downloading progress (Progreso de descarga)

(12) Si la descarga falla, por ejemplo, “Sin información de la estación secundaria”, vuelva a ejecutar la descarga desde (1)

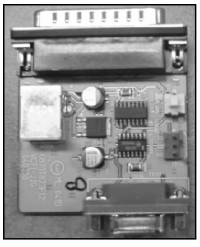

vctq_tvt.vi2c - Visual I2C 3
File Edit Watch Inits Views VCT69xyP Window Help
Add Watch... Remove AutoRead: On Off
ini
bootloader.bat Go
bootloader_B1.bat GO B1
Bootloader Version 40
Erase Flash Erase Flash
C:\VI2C\ic\vct6wxyP\hex_file\Vctp_051103_ES_final.hex No Acknowledge from Slave! Load Hex -> Flash
C:\VI2C\ic\vct6wxyP\bin\Vctp_fw_unable.bin Load Bin -> Flash

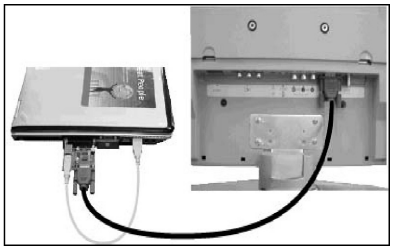
4.1.2.2 Método de descarga 3 (TELEVISOR)

(1) Presione el botón “Tilt” (Inclinar) en Adjust Remocon (Ajustar Remocon). Luego, PDP cambiará a “slave mode” (modo secundario)



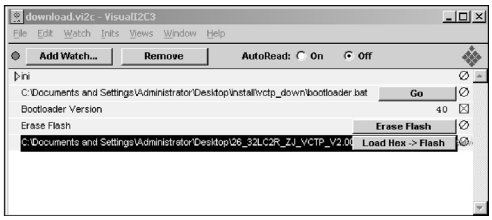
(2) Realice una conexión en zig-zag a la televisión con un cable D-sub



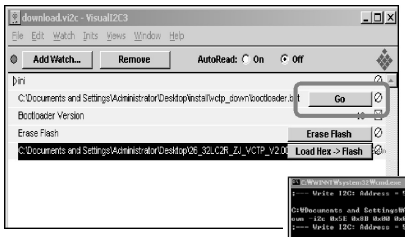


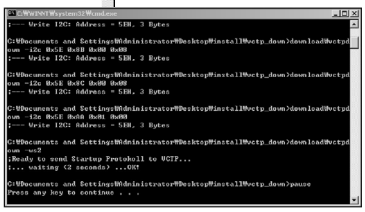
(3) Ejecute el programa “Download_CS.vi2c” en la PC; se abrirá una ventana principal.

Haga doble clic



(4) Haga clic en el botón “GO” (IR)

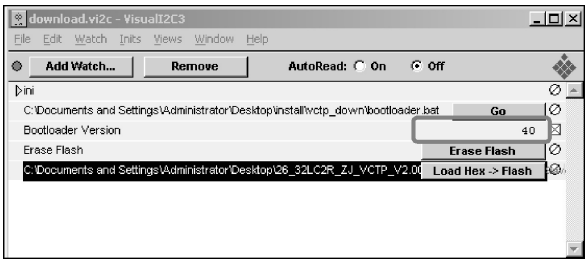




Si no presiona este botón, el archivo Hex no se descargará, a pesar de que a simple vista la descarga se realiza en forma normal

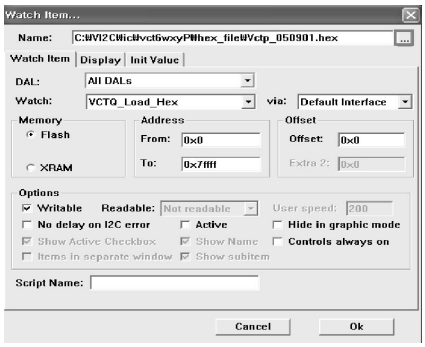
(5) Haga doble clic en la caja azul y confirme “Bootloader Version” como 40.

(6) Haga clic en el botón “Erase Flash” (Borrar Flash)

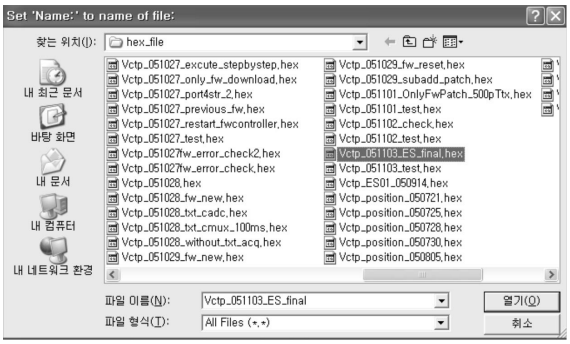


(7) Haga doble clic en el archivo de la descarga; se abrirá la ventana de “edición”

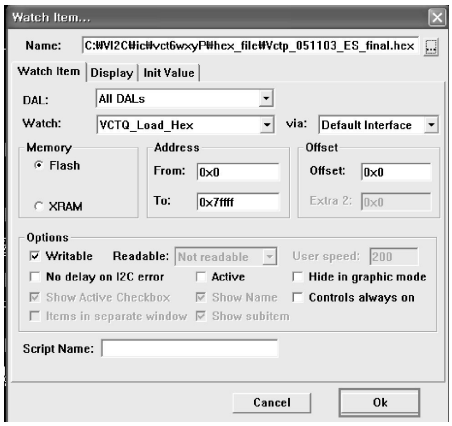
(8) Haga clic en el botón de opción en la “ventana de edición”; luego se abrirá la “ventana de opción de archivo”



(9) Elija el archivo Hex en la carpeta y ejecute la descarga haciendo clic en el botón “Open” (Abrir).

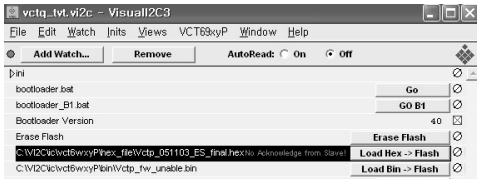


(10) Haga clic en el botón OK en la “ventana de edición”



(11) En Downloading progress (Progreso de descarga)

(12) Si la descarga falla, por ejemplo, “Sin información del repetidor”, vuelva a ejecutar la descarga desde (1)

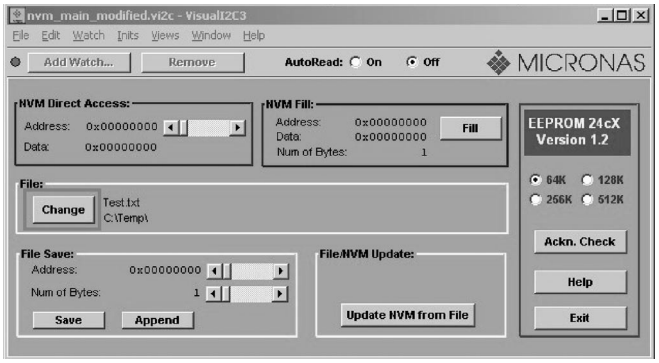


4.1.3 Descarga de memoria de canales

(1) Conecte el enganche de descarga al conector D-sub

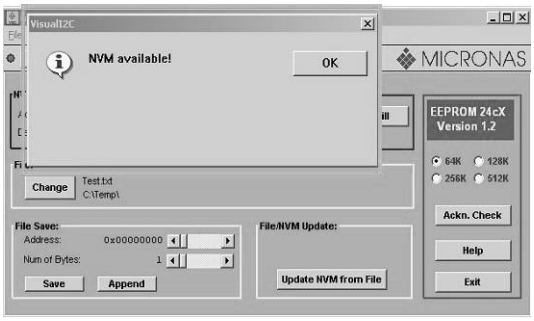
(2) Ejecute el programa “Channal.vi2c” en PC; se abrirá una ventana principal.

(3) Presione el botón change (cambiar) y seleccione Channel memory data (Datos de memorias de canales)

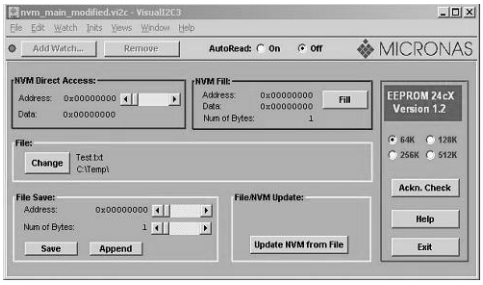


(4) Verifique si la comunicación se establece en forma correcta.

=> presione el área Read (Lectura) (Rev. de reconocimiento) y verifique el mensaje Cyan area is OK (El área cian es correcta).



(5) Presione Update NVM from File (Actualizar NVM a partir del archivo)



4.1.4 Opción TOOL (HERRAMIENTA), cambio de Area Option (Opción Área)

Antes de la revisión PCBA, cambie la opción Tool (Herramienta) y la opción Area (Área).

Los valores de la opción están en BOM.

(Si no cambia la opción, el menú de entrada puede ser diferente a la especificación del modelo.)

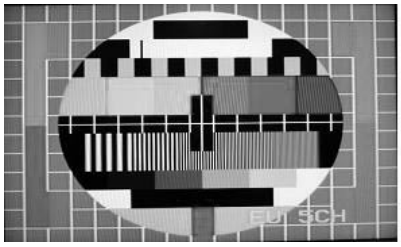
Los métodos de entrada son los mismos de otros chasis.

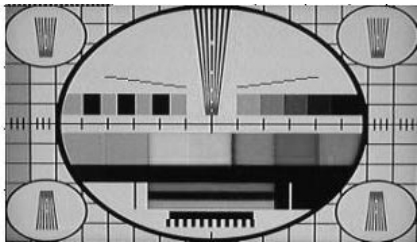
(Use la tecla adj. en Adjust Remocon.)

4.1.5 Ajuste del portador de colores (proceso de inspección)

a. sintonía de la señal RF

MJ : Patrón digital NTSC (con Barra de Colores)





b. presione la tecla “adj” en adjustment remocon.

4.2 Descarga de EDID (Datos Adicionales de Identificación de la Pantalla) / DDC (Canal de Datos de la Pantalla)

***Precaución :** Utilice un cable de señal adecuado para la Descarga de EDID

=> Precaución: - Nunca conecte un Cable HDMI y D-SUB al mismo tiempo.

- Utilice los cables adecuados para la Escritura EDID

<Conjunto análogo de DATOS EDID: 128 bytes>

		0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
	00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	ⓐ			ⓑ		
	10	ⓒ		01	03	08	46	27	78	0A	D9	B0	A3	57	49	9C	25
	20	11	49	4B	A1	08	00	31	40	01	01	01	01	45	40	01	01
	30	61	40	01	01	01	01	1B	21	50	A0	51	00	1E	30	48	88
	40	35	00	BC	88	21	00	00	1C	4E	1F	00	80	51	00	1E	30
	50	40	80	37	00	BC	88	21	00	00	18	00	00	00	FD	00	3A
	60	3F	1F	32	09	00	0A	20	20	20	20	20	20	00	00	00	FC
2R series	70	00	ⓓ									0A	20	20	20	00	ⓔ
2RA/2RB series	70	00	ⓓ									0A	20	20	00	ⓔ	

[SÓLO SERIE LC2R Y SERIE LC2RA/LC2RB diferencia de 70 líneas, debido al nombre del modelo]

<Conjunto HDMI de DATOS EDID: 256 bytes>

		0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
	00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	ⓐ			ⓑ		
	10	ⓒ		01	03	80	5C	34	96	0A	F3	30	A7	54	42	AA	26
	20	0F	48	4C	00	00	00	01	01	01	01	01	01	01	01	01	01
	30	01	01	01	01	01	01	8C	0A	D0	8A	20	E0	2D	10	10	3E
	40	96	00	C4	8E	21	00	00	18	00	00	00	FC	00			
2R series	50				ⓓ			0A	20	20	20	00	00	00	FD	00	2D
2RA/2RB series	50				ⓓ			0A	20	20	00	00	00	FD	00	2D	
	60	41	19	32	08	00	0A	20	20	20	20	20	20	00	00	00	00
	70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	01	ⓔ
		0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
	00	02	03	1C	72	23	09	07	02	49	07	16	81	03	05	14	13
	10	12	04	83	01	00	00	65	03	0C	00	10	00	01	1D	80	18
	20	71	1C	16	20	58	2C	25	00	C4	8E	21	00	00	9E	01	1D
	30	80	D0	72	1C	16	20	10	2C	25	80	C4	8E	21	00	00	9E
	40	01	1D	00	BC	52	D0	1E	20	B8	28	55	40	C4	8E	21	00
	50	00	1E	8C	0A	D0	90	20	40	31	20	0C	40	55	00	C4	8E
	60	21	00	00	18	01	1D	00	72	51	D0	1E	20	6E	28	55	00
	70	C4	8E	21	00	00	1E	00	00	00	00	00	00	00	00	00	2F

[SÓLO SERIE LC2R Y SERIE LC2RA/LC2RB diferencia de 70 líneas, debido al nombre del modelo]

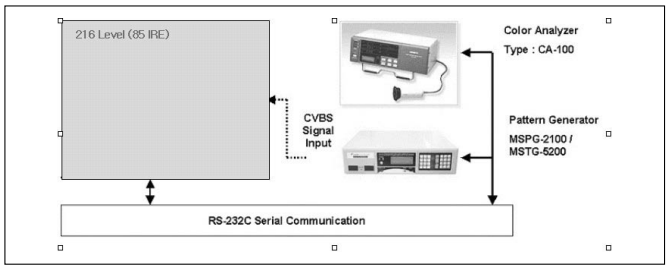
5. Ajuste de Balance de Blancos

*** En caso de un nuevo trabajo con el Balance de Blancos, deberá RESTABLECER los datos anterioresdel Balance de Blancos.**
(Puede hacerlo presionando la tecla "IN-START" en adjust remocon y luego restableciendo)

5.1 Equipos Necesarios

- Controlador remoto para ajustes
- Analizador de Color (CA-110 o CA-210 o el mismo producto ; c : 9)
- Instrumento de ajuste W/B automático (sólo para Ajuste automático)
- Generador de Patrones AV
  MJ – modelo: 207 (NTSC-J),
  patrón: 78 (216 Gris)

5.2 Diagrama de conexión del equipo para mediciones (para Ajuste Automático) [Presione la tecla "POWER ON"(ENCENDIDO) en Adjust Remocon antes del ajuste de W/B, la Velocidad de transferencia de datos y PSM, CSM cambiará 115200bps, Estándar (MJ: Óptimo), Normal]



5.3 Ajuste del Balance de Blancos para Ajuste Manual

- Haga funcionar la calibración cero del CA-110 o CA-210, luego, coloque el sensor en el módulo LCD cuando realice el ajuste.
- También es posible realizar el ajuste manual mediante la siguiente secuencia

1) Seleccione RF sin señal presionando la tecla ***"POWER ON"*** en el control remoto para ajustar la prueba de funcionamiento de operaciones durante más de 15 minutos.
   (Si no se ejecuta este paso, la condición para W/B será diferente. La condición W/B es PSM: Estándar (MJ: Óptimo), CSM: Normal.)
2) Como lo indica la Figura 7, suministre patrón Gris nivel 216 (85 IRE) a la entrada de Video.
   26,32LC2R-MJ: VIDEO1 o VIDEO2 (Entrada 60Hz)
3) Presione la tecla POWER ON en R/C para convertir el modo de entrada.
4) Ingrese el modo de ajuste Balance de Blancos presionando la tecla IN-START (Balance de Blancos) en R/C.
5) Coloque el sensor en el centro de la pantalla y seleccione cada elemento (Ganancia y Compensación Roja/Verde/Azul) usando las teclas ▲/▼(CH+/-) en R/C.
6) Ajuste Sólo la luz Alta con Ganancia R / Ganancia B usando la tecla ◀/▶(VOL +/-) en R/C.
7) Ajuste hasta que la coordinación de color sea la siguiente:
   (Inicialmente, los valores de ganancia R/G/B y compensación R/G/B están fijos, como se indica a continuación)
   Ganancia Roja:80, Ganancia Verde:80, Ganancia Azul: 80
   Compensación Roja:80, Compensación Verde:80,
   Compensación Azul: 80

• Valor Objetivo [PSM: Estándar (ZJ, TJ, CJ), Óptimo (MJ), CSM: Normal
  -Normal (9300K) x ; 0,283 ±0,003 y ; 0,298 ±0,003
  -Luminosidad (Y) AV: superior 150 cd/• (Typ : 350 cd/m²)
  [en condición W/B – PSM - STD, CSM - Normal, Patrón: 78 (216 Gris)]

216 Level(85 IRE)

* Patrón para Ajuste de Balance de Blancos

8) Cuando finalice el ajuste, salga del modo de ajuste con la tecla EXIT en R/C.

5.4 Ingreso de Datos de la Opción de Envío

1) Presione la tecla ADJ en Adjust Remocon (Ajustar Remocon).
2) Ingrese el Option Number (Número de Opción) especificado en BOM, en el área Shipping (Envío).
3) Cuando finalice, presione la tecla ■

6. AJUSTAR condición de factorización

N°	Elemento		Configuración		Observaciones
1.	Estación	Programa Automático	Sistema	BG	
			Almacenamiento desde	1	
			Búsqueda	Comenzar	
		Programa Manual	Almacenamiento	1	
			Sistema	BG	
			Banda	V/UHF	
			Canal	69	
			Fina	◀ / ▶	
			Búsqueda	◀ / ▶	
			Nombre	_ _ _ _ _	
		Edición de programa	Configurar		
		Programa favorito	-- -----		
2.	Imagen	PSM	Dinámico		
		CSM	Normal	Frío ZJ	
			Frío	Frío TJ, CJ	
				Frío MJ	
		XD	Automático		
		Avanzado	Cine: Apagado		
			Nivel de Negro: Bajo		Disponible para HDMI,
		Restablecimiento	Configurar		
3.	Sonido	SSM	Plano		
		AVL	Apagado		
		Balance	0		
		Parlantes de la TV	Encendido		
4.	Hora	Reloj	--: --		
		Hora de apagado	--: --		
			Apagado		
		Hora de Encendido	--: --		
			PR 1		
			Vol. 30		
			Apagado		
		Suspensión automática	Apagado		
5.	Especial	Idioma	Inglés		Seguimiento de las demandas del comprador, PR
		Bloqueo para niños	Apagado		
		Configurar ID	1		
		XD Demo	Comenzar		
6.	Pantalla	Configuración automática	Configurar		Disponible para modo RGB-PC
		Config. manual	Fase	0	Disponible para modo RGB-PC
			Reloj	0	
			Posición H	0	Disponible para modo RGB
			Posición V	0	
		Modo XGA	1024x768		Disponible para 60Hz RGB-PC XGA
		ARC	16:9		
		Restablecimiento	Configurar		

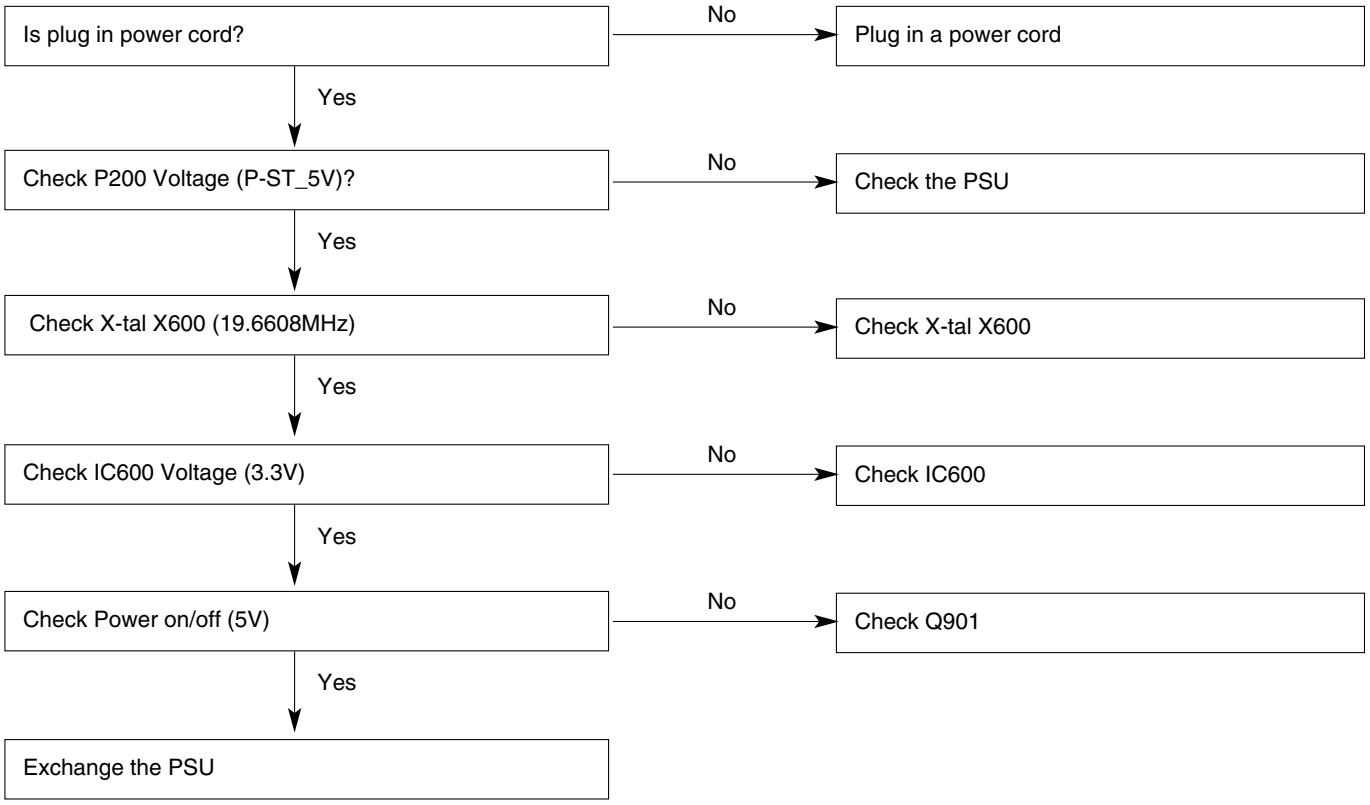
SOLUCIÓN DE AVERÍAS

1. No power

(1) Symptom

1) Front LED is No light
2) The Set doesnt discharge little

(2) Check process



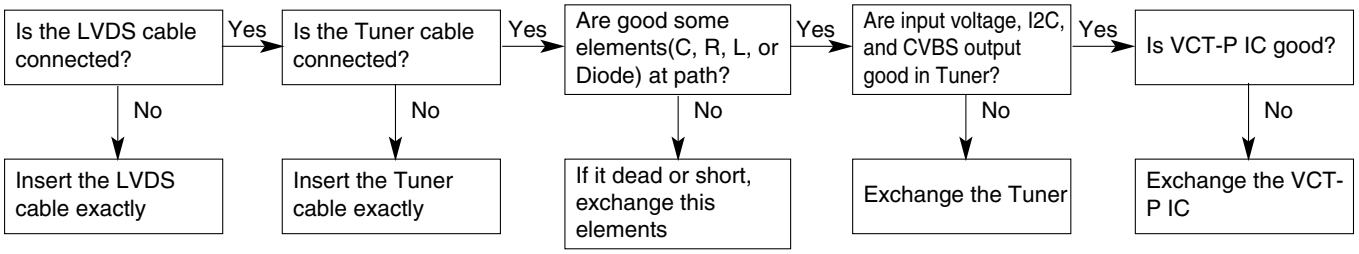
2. No picture

(1) Symptom

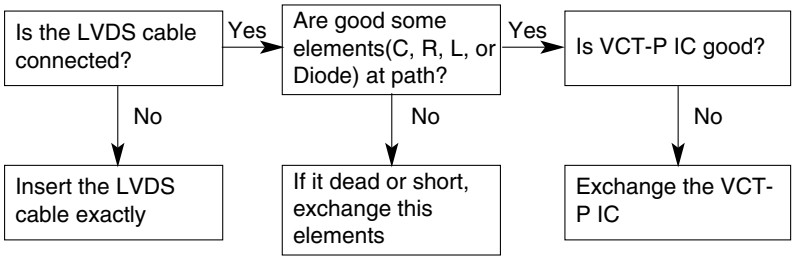
1) Some mode doesnt display.
2) Front LED is green
3) The set still discharge a little

(2) Check follow

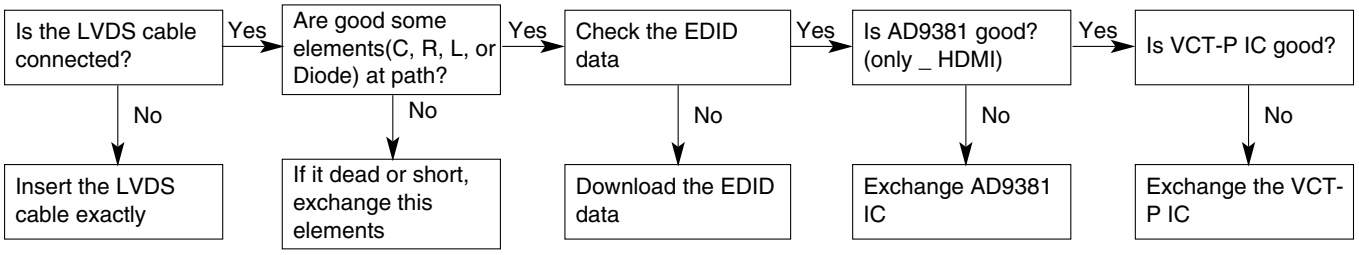
1) RF-mode doesnt display



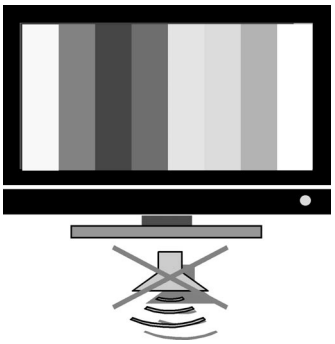
2) AV/Component-mode doesnt display



3) RGB/HDMI-mode doesnt display



3. No Sound

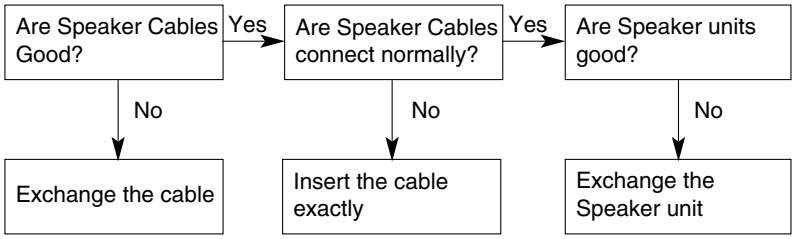


(1) Symptom

1) Front LED is Green
2) The Set display a screen, but a sound doesnt output

(2) Check follow

1) Speaker part



2) Main board part

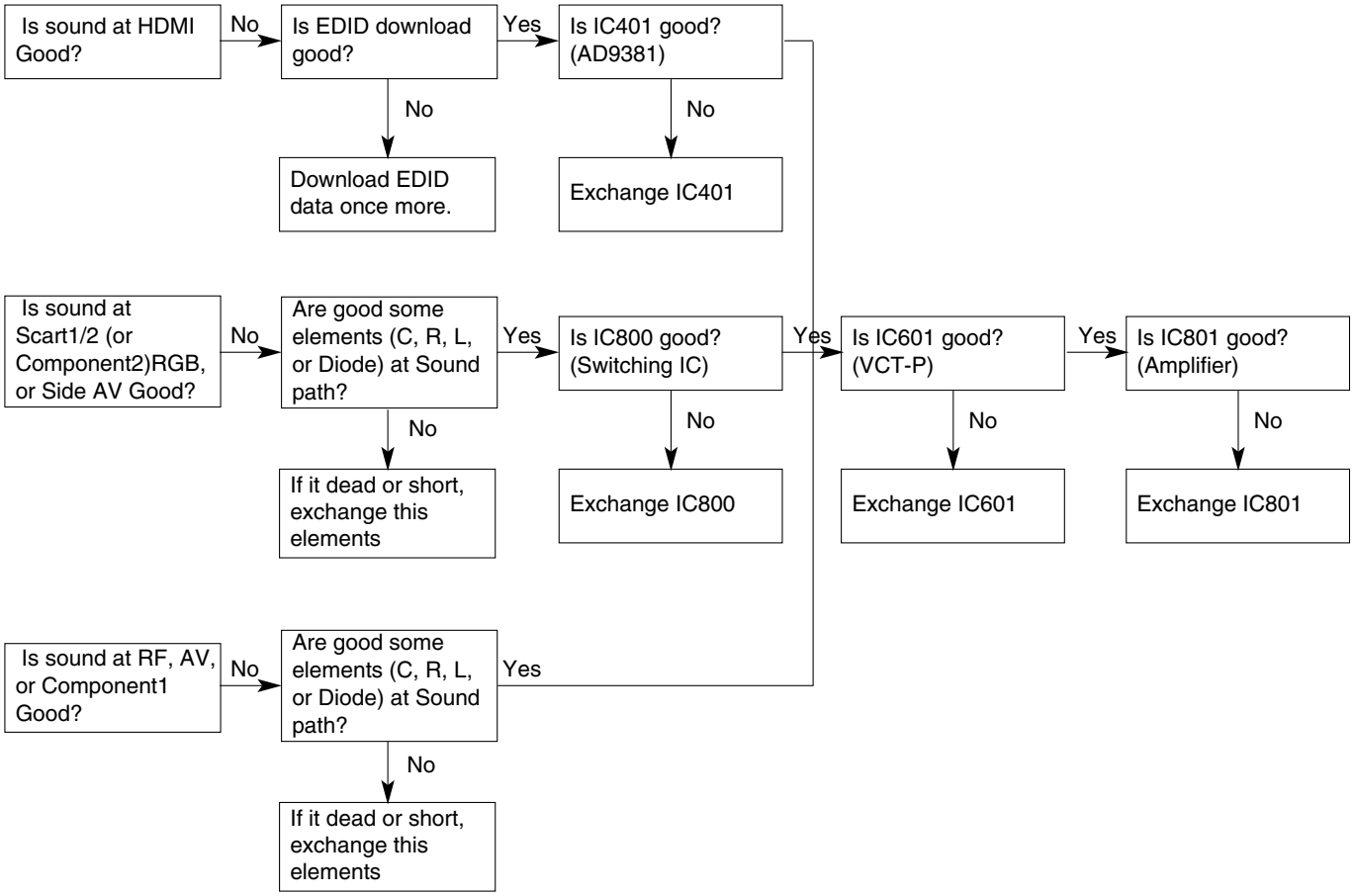
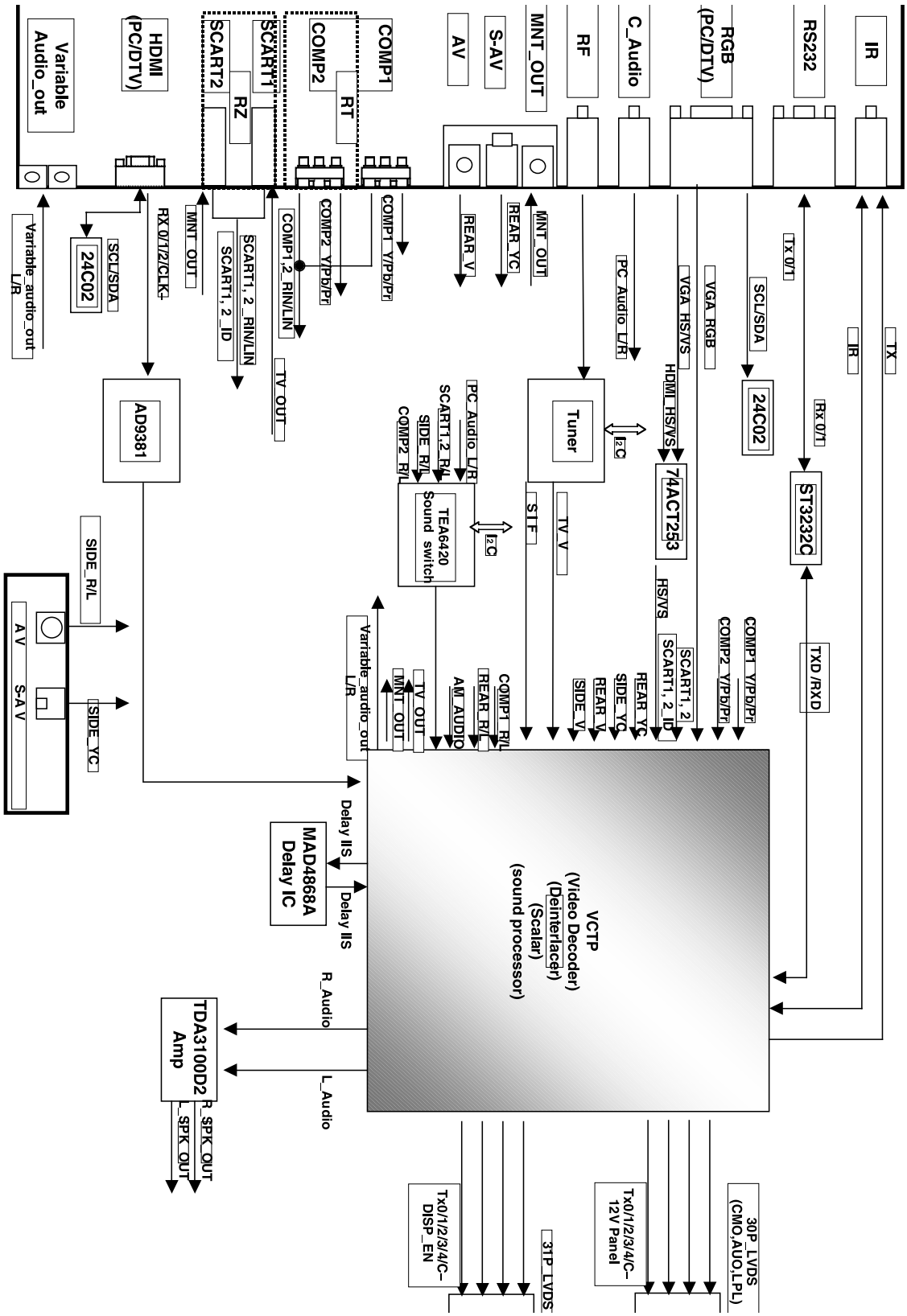


DIAGRAMA DE BLOQUE



DESCRIPCIÓN DEL DIAGRAMA DE BLOQUE

1. Video control and display data

Video signal is received from TUNER, AV port(AV1,AV2,S-Video) and goes to the one-chip video decoder (VCTI) which separate the R,G,B signal and passes on the signal to AD converter(AD9883) through the video switch(SM5301). Component signal(YPbPr) from side-jack is also passed to video switch(SM5301) and Micom will select the desired signal(RGB from VCTi or Component from side jack).

The AD9883 converts 4:4:4 video format into digital and gives output to the Picture Enhancer (FLI2300).This picture enhancer improves the quality of the picture by changing the level of RGB/YPbPr signals.The output of this enhancer chip is fed to the deinterlacer ,which in turn goes to the Scalar (GM5221).The scalar gives the output on the LVDS cable which is connected to LCD module.

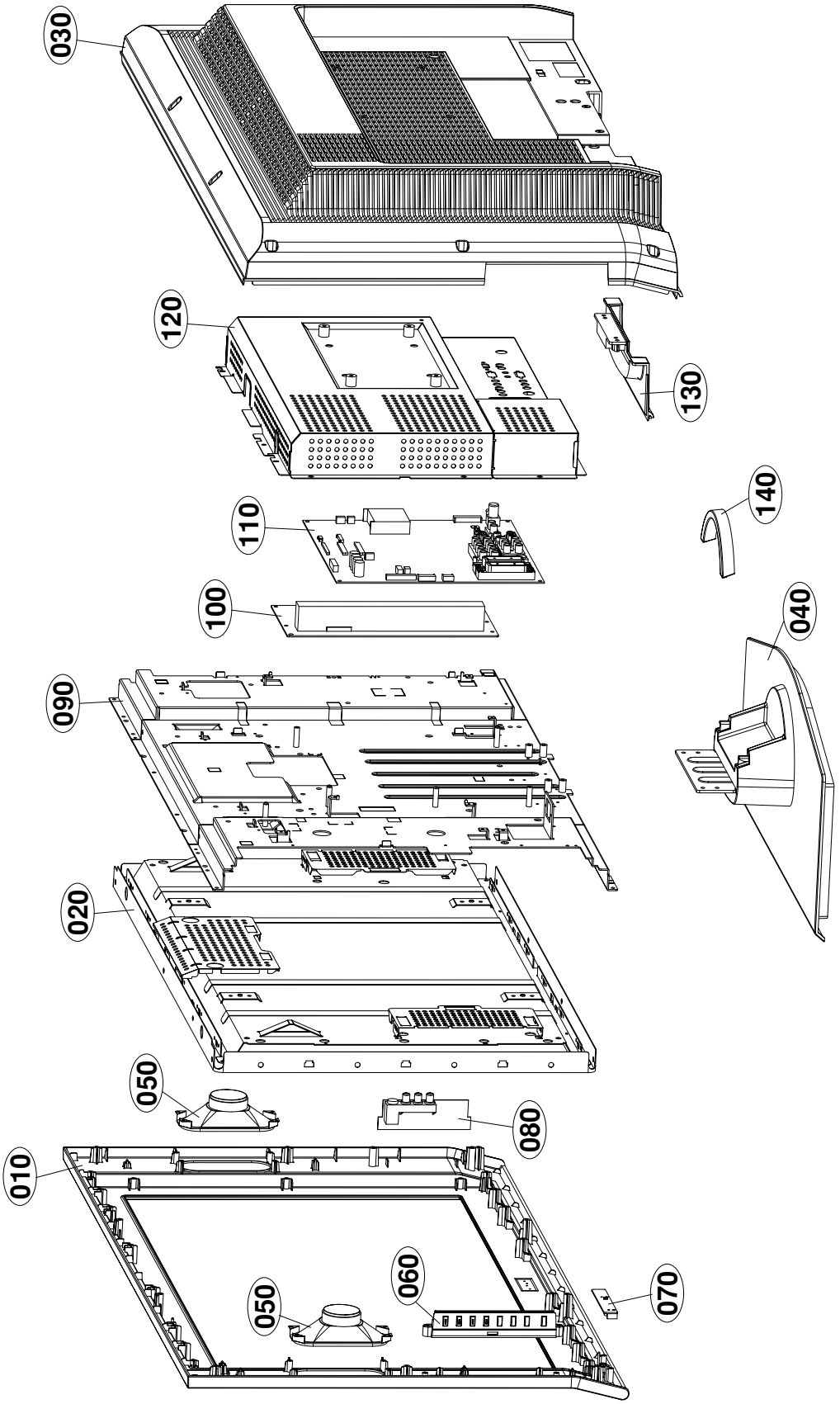
VCTi acts a micom and is responsible for video processing and audio signal processing.It accepts the RF precessed signal(IF signal) from tuner/SAW-Filter and separates sound and picture from it.

Scaler is reponsible for regulating the timing of signal to LCD panel and size and location of the signal. Graphic control accepts the PC(Analog RGB) and DVI-D (Digital) signal. The signal of PC input is connected to analog port in Scaler and the signal of DVI-D input is connected to digital port. Thus it receives two input and switch between them to give output at the LVDS which in turn gives output at the LCD module.

2. Power

The power board supplies a DC voltage of 33V(main power), 24V(Stand_by power), 12V(Stand_by power) to the main board. Main power is only available after power-on and Stand_by is always available. 33V is used by the tuner and 24V is used directly by the inverter and the sound amplifier IC. 24V also is converted into 5V-Main Power and 5V-Stand_by by a DC/DC Converter(MP1593). The 5V is changed into 3.3V and 1.8V by a regulator. Both voltages(3.3V, 1.8V) is used by VCTI, Scaler, FLI2300 and AD9883. The voltage of LCD Panel is 12V

VISTA EN DESPIECE



LISTA DE PARTES EN DESPIECE

No.		PART NO.	DESCRIPTION
010	⚠	ACQ30214602	Cover Assembly, 32LC3R-MJ LN61A 32" Front
		ACQ30214605	Cover Assembly, 32LC3R-MJ LN61A 32" (LPL) CSKD, Front
020	⚠	EAJ32763001	LCD,Module-TFT, LC320W01-SL18 WXGA 32INCH 1366X768 500CD COLOR 72% 16/9 800:1 A-TW Pol. P6 LG PHILIPS LCD
		EAJ30768801	LCD Module, LC320W01-SL14 WXGA 32.0INCH 1366X768 500CD COLOR 72% 16/9 800 NEC Lamp LG PHILIPS LCD .
030	⚠	ACQ30217310	Cover Assembly, 32LC3D-DA LP61A 32" BACK COVER ASSY
		ACQ30217302	Cover Assembly, 32LC3 LP61A 32" 32LC3R-MJ, BACK COVER
		ACQ30217305	Cover Assembly, 32LC3 LN61A 32" 32LC3R-MJ(CSKD), BACK COVER
040	⚠	AAN30218401	Base Assembly, STAND 32LC3 LP61A STAND ASSY
		AAN30218402	Base Assembly, STAND 32LC3R LP61A CSKD, STAND ASSY
050		EAB30827201	Speaker,Full Range, C112K01K1450. FERRITE 15W 8OHM 83.5DB 170HZ 116 X 42 X 38.5 LUG ESTEC AMERICA CORPORATION
060		EBR30712801	PCB Assembly,Sub, SUB T.T LP61A 32LC3R-ZJ AEUULHX Local Key for DMS
070		EBR30666301	PCB Assembly,Sub, SUB T.T LP61A 32LC3R-ZJ AEUULHX Preamp+LED for DMS
080		EBR30713401	PCB Assembly, SUB T.T LP61A 32LC3R ZJ Side-AV PCB
090		AGU30353101	Plate Assembly, ASSY 32LC3
		AGU30353102	Plate Assembly, ASSY 32LC3, C/SKD
100	⚠	6709900016C	SMPS,AC/DC, LGLP2637HEP(26/32INCH) 90VTO264V 215W 47TO63HZ UL/CSA/SEMKO YY / AT / H&E YUYANG TELECOM CO.,LTD
		or 6709900016A	Power Supply Assembly, FREE H3/E2 LCD MODEL LCD LG ELECTRONICS LB LC
110		33139L3044A	Main Total Assembly, 32LC2R(LPL)-MJ BRAND LN61A
120		49509K0157T	Plate, PRESS H-GI 0.8 SHIELD SPC 32lc3r-MJ
130		35509K0330A	Cover, 32LC3 BACK BOTTOM COVER
140		4810900106A	Bracket, COVER 32LC3 LP62A ABS, HF-380 CABLE MANAGEMENT

LISTA DE PARTES DE REPUESTO

DATE: 2007. 01. 03.

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		MAIN BOARD
	CAPACITORs	
C1001	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1003	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1007	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1009	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1017	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C1018	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V
C1019	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C1021	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V
C1031	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1038	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C1040	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C1046	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C1047	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1048	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1064	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1065	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1066	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1068	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C1070	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C1074	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C160	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V
C161	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V
C170	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 2
C171	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 2
C313	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C340	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C343	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C345	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C401	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C500	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C502	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C513	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C525	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C604	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V
C629	0CE475WJ6DC	MVK4.0TP35VC4.7M 4.7uF 20% 35V
C637	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50V
C657	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C658	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C659	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C660	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C676	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C677	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C682	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C683	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C684	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C685	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C686	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C719	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C727	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C733	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C743	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C744	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C756	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C757	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 2
C758	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C759	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C760	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C761	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C762	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C763	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C800	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C802	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 3
C828	0CE107WK6DC	MVK10TP50VC100M 100uF 20% 50V
C860	0CE227WJ6DC	MVK10TP35VC220M 220uF 20% 35V
C861	0CE227WJ6DC	MVK10TP35VC220M 220uF 20% 35V
C863	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 2
C868	0CE475WJ6DC	MVK4.0TP35VC4.7M 4.7uF 20% 35V
C869	0CE475WJ6DC	MVK4.0TP35VC4.7M 4.7uF 20% 35V
C912	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C917	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C922	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C931	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C932	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C933	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C935	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C939	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C946	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C947	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C948	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C951	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C953	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V
C955	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V
C978	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C979	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C980	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C981	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C982	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C983	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C984	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C985	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C986	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 8
C988	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 2
C1016	0CE477EJ618	KMG5.0TP35VB470M 470uF 20% 35V
C1020	0CE477EJ618	KMG5.0TP35VB470M 470uF 20% 35V
C1000	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1002	0CK104CK56A	0603B104K500CT 100nF 10% 50V X

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C1004	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1006	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C1011	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C1012	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1013	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1014	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1015	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1022	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1023	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1024	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1025	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1026	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C1027	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1029	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C1036	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1037	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1039	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C1043	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1045	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1050	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1051	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1052	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1054	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1056	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C1057	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C1058	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C1061	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C1072	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1073	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C159	0CC102CK41A	C1608C0G1H102JT 1nF 5% 50V C0G
C162	0CC102CK41A	C1608C0G1H102JT 1nF 5% 50V C0G
C163	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C164	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C309	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C310	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C311	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C0
C312	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C316	0CC120CK41A	C1608C0G1H120JT 12pF 5% 50V C0
C317	0CC120CK41A	C1608C0G1H120JT 12pF 5% 50V C0
C337	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C339	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C350	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C351	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C352	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C400	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C406	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C407	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C408	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C409	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C410	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R
C411	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R
C412	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C413	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C414	0CK104CK56A	0603B104K500CT 100nF 10% 50V X

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C415	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C416	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C417	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R
C419	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C420	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R
C421	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C507	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C508	0CC270CK41A	C1608C0G1H270JT 27pF 5% 50V C0
C509	0CC270CK41A	C1608C0G1H270JT 27pF 5% 50V C0
C511	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C512	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C
C514	0CK273CK56A	0603B273K500CT 27nF 10% 50V X7
C515	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C516	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C517	0CK273CK56A	0603B273K500CT 27nF 10% 50V X7
C518	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C521	0CC271CK41A	C1608C0G1H271JT 270pF 5% 50V C
C638	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C643	0CK332CK56A	C1608X7R1H332KT 3.3nF 10% 50V
C645	0CK332CK56A	C1608X7R1H332KT 3.3nF 10% 50V
C649	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C652	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V C0
C662	0CK225DK94A	CL21F225ZBFNNNE 2.2uF -20TO+80
C663	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C664	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C665	0CK225DK94A	CL21F225ZBFNNNE 2.2uF -20TO+80
C666	0CK225DD66A	LMK212JB225MG-T 2.2uF 20% 10V
C687	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C693	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C694	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C695	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C696	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C697	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C704	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C705	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C713	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C721	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C726	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C729	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C735	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C739	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C749	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C750	0CK225DK94A	CL21F225ZBFNNNE 2.2uF -20TO+80
C753	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C764	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X
C765	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X
C766	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X
C801	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C816	0CK225DK94A	CL21F225ZBFNNNE 2.2uF -20TO+80
C820	0CK225DK94A	CL21F225ZBFNNNE 2.2uF -20TO+80
C827	0CC471CK41A	C1608C0G1H471JT 470pF 5% 50V C
C829	0CC471CK41A	C1608C0G1H471JT 470pF 5% 50V C
C830	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C836	0CK104CK56A	0603B104K500CT 100nF 10% 50V X

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C838	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C839	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C840	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R
C842	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R
C845	0CK474CH94A	0603F474Z250CT 470nF -20TO+80%
C848	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C849	0CK474CH94A	0603F474Z250CT 470nF -20TO+80%
C850	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C851	0CK105CF94A	0603F105Z160CT 1uF -20TO+80% 1
C853	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C856	0CK105CF94A	0603F105Z160CT 1uF -20TO+80% 1
C859	0CK105CF94A	0603F105Z160CT 1uF -20TO+80% 1
C862	0CK105CF94A	0603F105Z160CT 1uF -20TO+80% 1
C866	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V
C867	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V
C871	0CC270CK41A	C1608C0G1H270JT 27pF 5% 50V C0
C906	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C908	0CK474CH94A	0603F474Z250CT 470nF -20TO+80%
C916	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C919	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C921	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C930	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C934	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C936	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C937	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C938	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C941	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C942	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C943	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C945	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C949	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C950	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C957	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C958	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C959	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C960	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C961	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C962	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C963	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C964	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C965	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C967	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C968	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C969	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C970	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C972	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C973	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C974	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C975	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C976	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C1059	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C1063	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C172	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V
C173	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C174	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V
C175	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V
C332	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C333	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C334	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C335	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C336	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C347	0CK104CF56A	0603B104K160CT 100nF 10% 16V X
C429	0CK822CK46A	0603B822J500CT 8.2nF 10% 50V X
C430	0CK823CF56A	0603B823K160CT 82nF 10% 16V X7
C605	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C606	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C607	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C608	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C609	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C610	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C611	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C612	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C613	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C614	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C615	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C616	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C617	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C618	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C619	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C620	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C621	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C622	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C623	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C624	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C625	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C626	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C627	0CK474CH94A	0603F474Z250CT 470nF -20TO+80%
C628	0CK474CH94A	0603F474Z250CT 470nF -20TO+80%
C630	0CK474CH94A	0603F474Z250CT 470nF -20TO+80%
C631	0CK474CH94A	0603F474Z250CT 470nF -20TO+80%
C632	0CK474CH94A	0603F474Z250CT 470nF -20TO+80%
C633	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C634	0CK474CH94A	0603F474Z250CT 470nF -20TO+80%
C635	0CK474CH94A	0603F474Z250CT 470nF -20TO+80%
C636	0CK474CH94A	0603F474Z250CT 470nF -20TO+80%
C647	0CK332CK56A	C1608X7R1H332KT 3.3nF 10% 50V
C648	0CK332CK56A	C1608X7R1H332KT 3.3nF 10% 50V
C650	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V
C651	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V C0
C653	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V
C654	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C655	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V C0
C661	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C673	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V C0
C674	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V C0
C688	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C803	0CK105CF94A	0603F105Z160CT 1uF -20TO+80% 1
C804	0CK105CF94A	0603F105Z160CT 1uF -20TO+80% 1

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C806	0CK105CF94A	0603F105Z160CT 1uF -20TO+80% 1
C807	0CK105CF94A	0603F105Z160CT 1uF -20TO+80% 1
C821	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C822	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C823	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C824	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C825	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C831	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C832	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C833	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C834	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C835	0CK475EF67A	C3216X5R1C475MT 4.7uF 20% 16V
C854	0CK224CF56A	0603B224K160CT 220nF 10% 16V X
C855	0CK224CF56A	0603B224K160CT 220nF 10% 16V X
C857	0CK105CF94A	0603F105Z160CT 1uF -20TO+80% 1
C858	0CK105CF94A	0603F105Z160CT 1uF -20TO+80% 1
C864	0CK224CF56A	0603B224K160CT 220nF 10% 16V X
C865	0CK224CF56A	0603B224K160CT 220nF 10% 16V X
C915	0CK474CH94A	0603F474Z250CT 470nF -20TO+80%
C926	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C927	0CK104CK56A	0603B104K500CT 100nF 10% 50V X
C928	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C929	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
C989	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7
DIODEs		
D800	0DD184009AA	KDS184 KDS184 TP KEC - 85V - -
D801	0DD184009AA	KDS184 KDS184 TP KEC - 85V - -
D400	0DD184009AA	KDS184 KDS184 TP KEC - 85V - -
D700	0DD184009AA	KDS184 KDS184 TP KEC - 85V - -
D905	0DD200009AF	RU2M 400V 1.2V 10UA 20A 400NSE
D906	0DD200009AF	RU2M 400V 1.2V 10UA 20A 400NSE
D907	0DD200009AF	RU2M 400V 1.2V 10UA 20A 400NSE
D1001	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D1003	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D116	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D118	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D120	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D121	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D124	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D125	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D126	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D127	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D128	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D304	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D900	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D902	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D903	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D300	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D302	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D303	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC
D129	0DRSE00038A	SDC15 1.3V 14.3VTO16.4V 21.2V
D130	0DRSE00038A	SDC15 1.3V 14.3VTO16.4V 21.2V
ZD300	0DR050008AA	SD05.TC - 6V 14.5V 24A 350W SO

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
ZD312	0DR050008AA	SD05.TC - 6V 14.5V 24A 350W SO
ZD313	0DR050008AA	SD05.TC - 6V 14.5V 24A 350W SO
ZD314	0DR050008AA	SD05.TC - 6V 14.5V 24A 350W SO
ZD301	0DR050008AA	SD05.TC - 6V 14.5V 24A 350W SO
ZD303	0DR050008AA	SD05.TC - 6V 14.5V 24A 350W SO
ZD304	0DR050008AA	SD05.TC - 6V 14.5V 24A 350W SO
ZD305	0DR050008AA	SD05.TC - 6V 14.5V 24A 350W SO
ZD308	0DR050008AA	SD05.TC - 6V 14.5V 24A 350W SO
ZD1000	0DZKE00048A	KDZ8.2V 8.2V 7.7TO8.7V 20OHM 2
ICs		
IC303	0ISTL00031A	MC74HC4066ADR2G MC74HC4066ADR2
IC801	0IPRP00700A	TPA3100D2PHPR 10TO26V . . 20W
IC800	0IPRP00665A	TEA6420D 8TO10.2V 8mA 0 SO R/T
IC602	0IFA742530B	74ACT253SC 4.5TO5.5V 0.004mA M
IC802	0IPRP00743A	MAD4868A 3TO5.25V 0 0 PQFP TR
IC300	0IMMRAL014D	AT24C02BN-10SU-1.8 2KBIT 256x8
IC400	0IMMRAL014D	AT24C02BN-10SU-1.8 2KBIT 256x8
IC603	0IMMRAL025A	AT24C32AN-10SU-2.7 32KBIT 4096
IC1001	0IPMGKE030A	KIA78R05F 6TO12V 5V 8W DPAK R/
IC1008	0IPMGSG018D	LD1086DT18TR-LF 30V 1.8V - DPA
IC900	0IMCRRH001A	BA033FP-E2 4.3TO25V 3.3V 1W TO
IC902	0IPMG00027A	SC156515M-1.8TR 2.2TO5.5V 1.8V
IC903	0IMCRRH001A	BA033FP-E2 4.3TO25V 3.3V 1W TO
IC401	0IPRP00701A	"AD9381KSTZ 3.15VTO3.47V,1.7VTO"
IC302	0IPRP00009A	ICL3232CBNZ 3VTO5.5V - SSOP R/
IC601	0IPRP00689B	VCT6973G-FA-B3-000 1.71VTO1.89
IC600	0IFA752700A	KA75270Z 2.55TO2.85V 0 200MW T
IC1003	0IMCRFA010A	KA7809R 11.5TO24V 9V 150W DPAK
COILs & FILTERs & INDUCTORs		
L1004	6140VB0004B	LN-15A1(26UH) 26uH AC500V 5MA
L910	6140VB0004B	LN-15A1(26UH) 26uH AC500V 5MA
L1000	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L1002	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L1007	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L1008	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L1010	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L1011	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L1012	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L1015	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L1018	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L112	6200J00005F	HB-1M1608-102JT 1000OHM 1.6X0.
L113	6200J00005F	HB-1M1608-102JT 1000OHM 1.6X0.
L114	6200J00005F	HB-1M1608-102JT 1000OHM 1.6X0.
L115	6200J00005F	HB-1M1608-102JT 1000OHM 1.6X0.
L300	EAM30764201	BG2012B102TF 1000ohm 2.0X1.25X
L301	EAM30764201	BG2012B102TF 1000ohm 2.0X1.25X
L303	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L305	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L501	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L502	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L806	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L904	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
L913	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L914	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L915	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L916	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L917	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L918	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L919	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L920	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L921	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L923	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM
AR400	6210TCE002B	HB-4M3216-121JT 120OHM 3.2X1.6
AR401	6210TCE002B	HB-4M3216-121JT 120OHM 3.2X1.6
AR402	6210TCE002B	HB-4M3216-121JT 120OHM 3.2X1.6
AR403	6210TCE002B	HB-4M3216-121JT 120OHM 3.2X1.6
AR404	6210TCE002B	HB-4M3216-121JT 120OHM 3.2X1.6
AR405	6210TCE002B	HB-4M3216-121JT 120OHM 3.2X1.6
L1016	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L302	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L304	6210TCE001E	HB-1M2012-800JT(H:1mm) 80OHM 2
L306	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM
L307	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM
L308	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM
L309	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM
L310	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM
L400	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L600	6200J00005R	HB-1M1608-501JT 500OHM 1.6X0.8
L601	6200J00005R	HB-1M1608-501JT 500OHM 1.6X0.8
L813	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L814	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L815	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM
L816	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM
L817	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM
L818	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM
L819	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L820	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L905	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L906	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L922	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM
L924	EAM30764101	MBW3216-501TF 500ohm 3.2X1.6X0
L118	0LCML00020G	MLI-201209-3R3K 3.3UH 10% 0V 3
L119	0LCML00020G	MLI-201209-3R3K 3.3UH 10% 0V 3
L120	0LCML00020G	MLI-201209-3R3K 3.3UH 10% 0V 3
L121	0LCML00020G	MLI-201209-3R3K 3.3UH 10% 0V 3
L804	0LCML00020C	MLI-201212-100K 10UH 10% - 15M
L805	0LCML00020C	MLI-201212-100K 10UH 10% - 15M
L503	0LCML00020G	MLI-201209-3R3K 3.3UH 10% 0V 3
L801	6140VR0008A	SLF12575T-330M3R2 33UH 20% - 3
L802	6140VR0008A	SLF12575T-330M3R2 33UH 20% - 3
L808	6140VR0008A	SLF12575T-330M3R2 33UH 20% - 3
L809	6140VR0008A	SLF12575T-330M3R2 33UH 20% - 3
TRANSISTORs & FETs		
Q401	0TR830009BA	BSS83 N-CHANNEL MOSFET 10V - 5
Q402	0TR830009BA	BSS83 N-CHANNEL MOSFET 10V - 5
Q508	0TR830009BA	BSS83 N-CHANNEL MOSFET 10V - 5
Q509	0TR830009BA	BSS83 N-CHANNEL MOSFET 10V - 5
IC604	0TF492509AA	SI4925DY P-CHANNEL -30V +-20V
Q108	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q109	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q110	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q300	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q400	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q502	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q503	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50
Q504	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q505	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50
Q605	0TR102009AM	KRA102S PNP -30V 0V -50V -0.1A
Q606	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50
Q607	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q608	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50
Q801	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q802	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q111	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q112	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q113	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q301	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q512	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q513	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q600	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q611	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q613	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50
Q901	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q902	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q903	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q904	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q905	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q906	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q907	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q908	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
RESISTORs		
AR600	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4
AR601	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4
AR602	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4
R1001	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 16
R1002	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 16
R141	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 16
R149	0RJ2000D677	MCR03EZPJ201 200OHM 5% 1/10W 1
R174	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W
R175	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W
R176	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 16
R177	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 16
R178	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 16
R179	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W
R180	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W
R181	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 16
R182	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 16
R183	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 16

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R184	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 16
R185	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W
R186	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R187	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R188	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R189	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R190	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R191	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 16
R192	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R193	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R194	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R195	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R196	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R197	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W
R198	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 16
R199	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 16
R200	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R201	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R204	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R206	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R208	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R209	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R210	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W
R211	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W
R212	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W
R213	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W
R214	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R215	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R217	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R218	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R219	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 16
R220	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 16
R303	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W
R304	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W
R307	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 16
R308	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R309	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R310	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R311	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R312	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R313	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 16
R314	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R315	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R316	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 16
R317	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R320	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 16
R321	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W
R322	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W
R323	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R326	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R327	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R328	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R329	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R330	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16

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R331	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R332	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R333	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R334	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R335	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R338	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R339	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R344	0RJ2002D677	MCR03EZPJ203. 20KOHM 5% 1/10W
R349	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10W 1
R350	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10W 1
R351	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R352	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R355	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1
R358	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R360	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R402	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R404	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R405	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R417	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 1
R418	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 1
R423	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R424	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R502	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R503	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 16
R506	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R507	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R508	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1
R509	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1
R510	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W
R511	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1
R512	0RJ0822D677	MCR03EZPJ820 82OHM 5% 1/10W 16
R513	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R514	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R515	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R516	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R517	0RJ3901D677	MCR03EZPJ392 3.9KOHM 5% 1/10W
R521	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R540	0RJ7501D677	MCR03EZPJ752 7.5KOHM 5% 1/10W
R603	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R646	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R656	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R657	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R658	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R673	0RJ6201D677	MCR03EZPJ622 6.2KOHM 5% 1/10W
R736	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R747	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R748	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R749	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R762	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R763	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R764	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R765	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R766	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R767	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16

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R768	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R769	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R771	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1
R781	0RJ3001D677	MCR03EZPJ302 3KOHM 5% 1/10W 16
R782	0RJ3001D677	MCR03EZPJ302 3KOHM 5% 1/10W 16
R783	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R784	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R800	0RJ1000D477	MCR03EZPF101 100OHM 1% 1/10W 1
R801	0RJ1000D477	MCR03EZPF101 100OHM 1% 1/10W 1
R802	0RJ1000D477	MCR03EZPF101 100OHM 1% 1/10W 1
R803	0RJ1000D477	MCR03EZPF101 100OHM 1% 1/10W 1
R804	0RJ1000D477	MCR03EZPF101 100OHM 1% 1/10W 1
R805	0RJ1000D477	MCR03EZPF101 100OHM 1% 1/10W 1
R806	0RJ1000D477	MCR03EZPF101 100OHM 1% 1/10W 1
R807	0RJ1000D477	MCR03EZPF101 100OHM 1% 1/10W 1
R808	0RJ1000D477	MCR03EZPF101 100OHM 1% 1/10W 1
R809	0RJ1000D477	MCR03EZPF101 100OHM 1% 1/10W 1
R810	0RJ1000D477	MCR03EZPF101 100OHM 1% 1/10W 1
R811	0RJ1000D477	MCR03EZPF101 100OHM 1% 1/10W 1
R812	0RJ1000D477	MCR03EZPF101 100OHM 1% 1/10W 1
R813	0RJ1000D477	MCR03EZPF101 100OHM 1% 1/10W 1
R816	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R822	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 16
R823	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 16
R828	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W
R829	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W
R833	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R834	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R838	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 16
R839	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 16
R843	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R844	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R847	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W
R848	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R849	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R850	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R851	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W
R852	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W
R856	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R857	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R861	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R865	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R866	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R867	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R868	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R872	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R876	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R900	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R902	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R909	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R910	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R916	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R918	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R919	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R922	0RJ1102D677	MCR03EZPJ113 11KOHM 5% 1/10W 1
R923	0RJ2002D677	MCR03EZPJ203. 20KOHM 5% 1/10W
R926	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R927	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R933	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012
R934	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012
R935	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012
R937	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R938	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
C644	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
C646	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R1000	0RJ1201D677	MCR03EZPJ122 1.2KOHM 5% 1/10W
R1003	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R1008	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R1010	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R222	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R223	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R224	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R225	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R226	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W
R227	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W
R228	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W
R229	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W
R300	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R301	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R302	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R306	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R318	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R319	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R343	0RJ2002D677	MCR03EZPJ203. 20KOHM 5% 1/10W
R345	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R346	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R347	0RJ3001D677	MCR03EZPJ302 3KOHM 5% 1/10W 16
R348	0RJ3001D677	MCR03EZPJ302 3KOHM 5% 1/10W 16
R361	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R362	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R367	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R380	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R381	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R382	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R383	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R384	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W
R386	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R387	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R388	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R389	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1
R401	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R406	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R407	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R421	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R422	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R425	0RJ4990D477	MCR03EZPF4990 499OHM 1% 1/10W
R426	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 16
R427	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 16

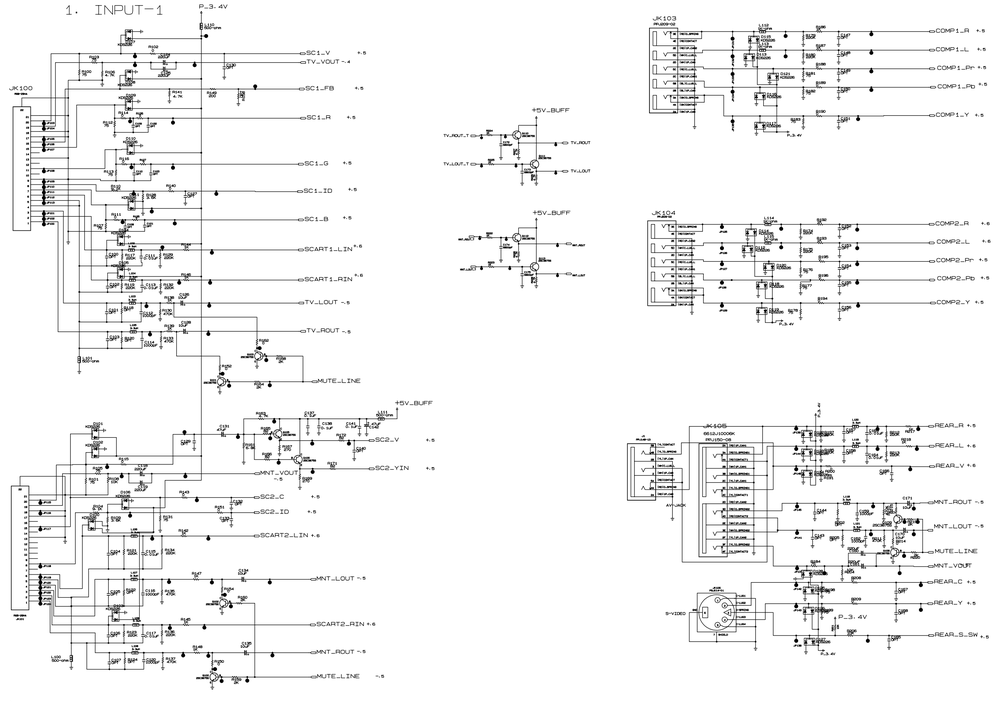
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R428	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 16
R433	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R434	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R435	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 16
R436	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 16
R437	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 16
R438	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 16
R441	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R442	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R451	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/10W
R519	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1
R520	0RJ2000D677	MCR03EZPJ201 200OHM 5% 1/10W 1
R534	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R535	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 1
R536	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R600	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R601	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R604	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R607	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R615	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R616	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R617	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R620	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R621	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R627	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R628	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R629	0RJ1500D677	MCR03EZPJ151 150OHM 5% 1/10W 1
R630	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1
R631	0RJ1500D677	MCR03EZPJ151 150OHM 5% 1/10W 1
R632	0RJ1802D677	MCR03EZPJ183 18KOHM 5% 1/10W 1
R633	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R634	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R635	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R636	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R637	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R638	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R639	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R640	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R641	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R645	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R647	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R648	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R649	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R650	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R651	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R652	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R653	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R654	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R660	0RJ8201D677	MCR03EZPJ822 8.2KOHM 5% 1/10W
R662	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R663	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R666	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W
R671	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W
R675	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R676	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R677	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R678	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R679	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R680	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R681	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 16
R686	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R687	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R689	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1
R690	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R691	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1
R692	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R693	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1
R694	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R695	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 16
R697	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 16
R699	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R700	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R702	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R703	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R704	0RJ6202D677	MCR03EZPJ623 62KOHM 5% 1/10W 1
R705	0RJ2402D677	MCR03EZPJ243 24KOHM 5% 1/10W 1
R708	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/10W
R709	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1
R711	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 16
R712	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 16
R713	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 16
R714	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1
R715	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1
R718	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W
R721	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W
R728	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R729	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R730	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R732	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R733	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R734	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R735	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R737	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R742	0RJ6201D677	MCR03EZPJ622 6.2KOHM 5% 1/10W
R744	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R750	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R751	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R752	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R753	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R756	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R757	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1
R758	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R759	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R760	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R761	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 16
R772	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1
R773	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R774	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R775	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R777	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R779	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R780	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R785	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R855	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R858	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R862	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R863	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R864	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R869	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R870	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R871	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R873	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R874	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R875	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R903	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W
R904	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R905	0RJ2000D677	MCR03EZPJ201 200OHM 5% 1/10W 1
R906	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R912	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R913	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R921	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R924	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W
R925	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
R928	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R929	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1
R931	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 160
OTHERs		
X600	6202VDT002P	HC-49/SM 20.25000MHZ 20.25MHZ
D1004	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V
D750	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V
CONTROL BOARD		
SW101	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HO
SW102	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HO
SW103	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HO
SW104	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HO
SW105	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HO
SW106	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HO
SW107	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HO
SW108	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HO
R101	0RH9101D622	MCR10EZHJ912 9.1KOHM 5% 1/8W 2
R102	0RH3301D622	MCR10EZHJ332 3.3KOHM 5% 1/8W 2
R103	0RH1101D622	MCR10EZHJ112 1.1KOHM 5% 1/8W 2
R104	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012
R105	0RH9101D622	MCR10EZHJ912 9.1KOHM 5% 1/8W 2
R106	0RH3301D622	MCR10EZHJ332 3.3KOHM 5% 1/8W 2
R107	0RH1101D622	MCR10EZHJ112 1.1KOHM 5% 1/8W 2
R108	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
PREAMP & IR BOARD		
D200	0DLAU0410AA	SAW5670 ROUND 5mM AMBER/WHITE
IC201	6712000013A	TSOP4438SO1 4.5TO5.5V 1.5MA 38
C200	0CH5101K416	C2012C0G1H101JT 100pF 5% 50V C
C201	0CH5330K416	C2012C0G1H330JT 33pF 5% 50V C0
C202	0CE476VF6DC	VGV476M016S0ANE010 47uF 20% 16
C203	0CE476VF6DC	VGV476M016S0ANE010 47uF 20% 16
C204	0CE476VF6DC	VGV476M016S0ANE010 47uF 20% 16
L200	0LC1032101A	FI-C3216-103KJT 10UH 10% - 50M
Q200	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q201	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
Q202	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 1
R200	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012
R201	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012
R202	0RH6800D622	MCR10EZHJ681 680OHM 5% 1/8W 20
R203	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012
R204	0RH6801D622	MCR10EZHJ682 6.8KOHM 5% 1/8W 2
R205	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012
R206	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012
R207	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012
R208	0RH3901D622	MCR10EZHJ392 3.9KOHM 5% 1/8W 2
SIDE A/V BOARD		
C300	0CH5101K416	C2012C0G1H101JT 100pF 5% 50V C
C301	0CH5101K416	C2012C0G1H101JT 100pF 5% 50V C
R300	0RH2203D622	MCR10EZHJ224 220KOHM 5% 1/8W 2
R301	0RH2203D622	MCR10EZHJ224 220KOHM 5% 1/8W 2
R302	0RH0752D622	MCR10EZHJ750 75OHM 5% 1/8W 201
R303	0RH4700D622	MCR10EZHJ471 470OHM 5% 1/8W 20
R304	0RH4700D622	MCR10EZHJ471 470OHM 5% 1/8W 20
R305	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012

1. INPUT-1



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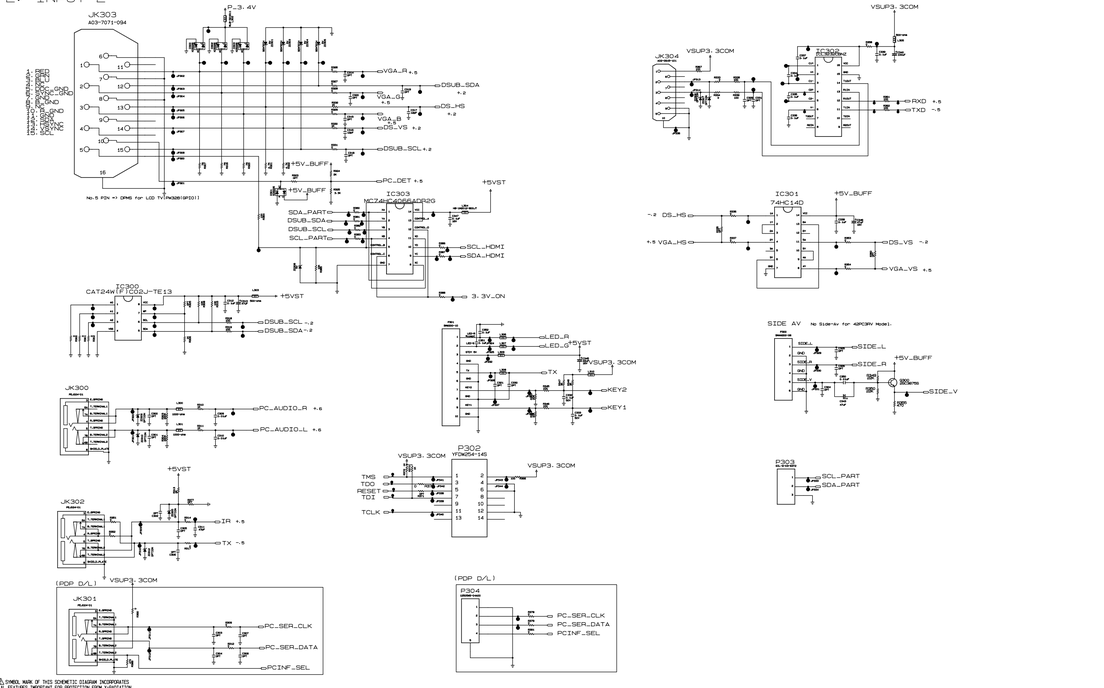
2. INPUT-2



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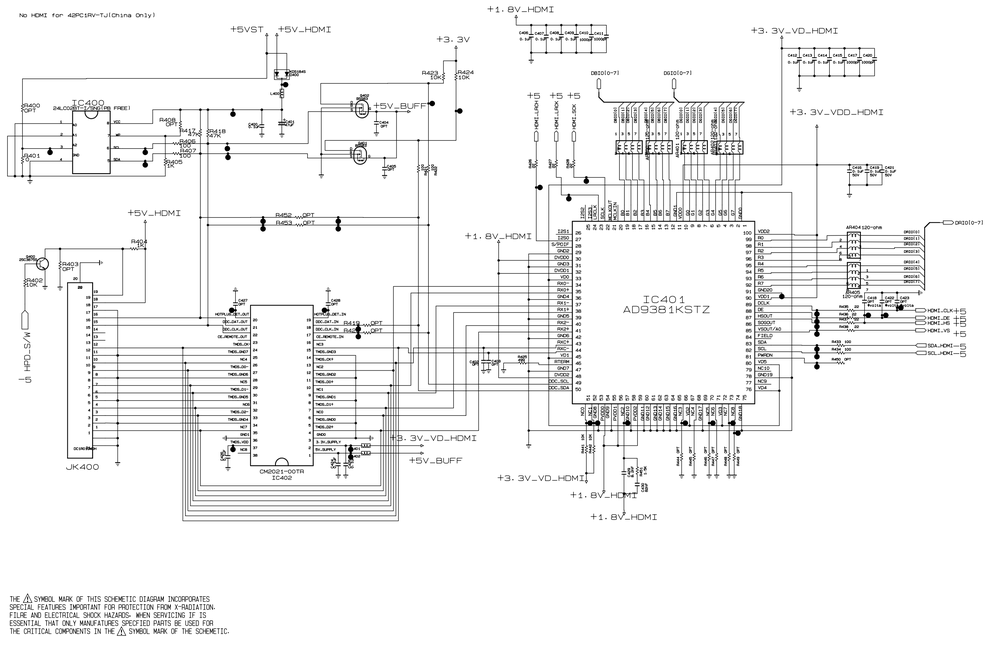
3. HDMI



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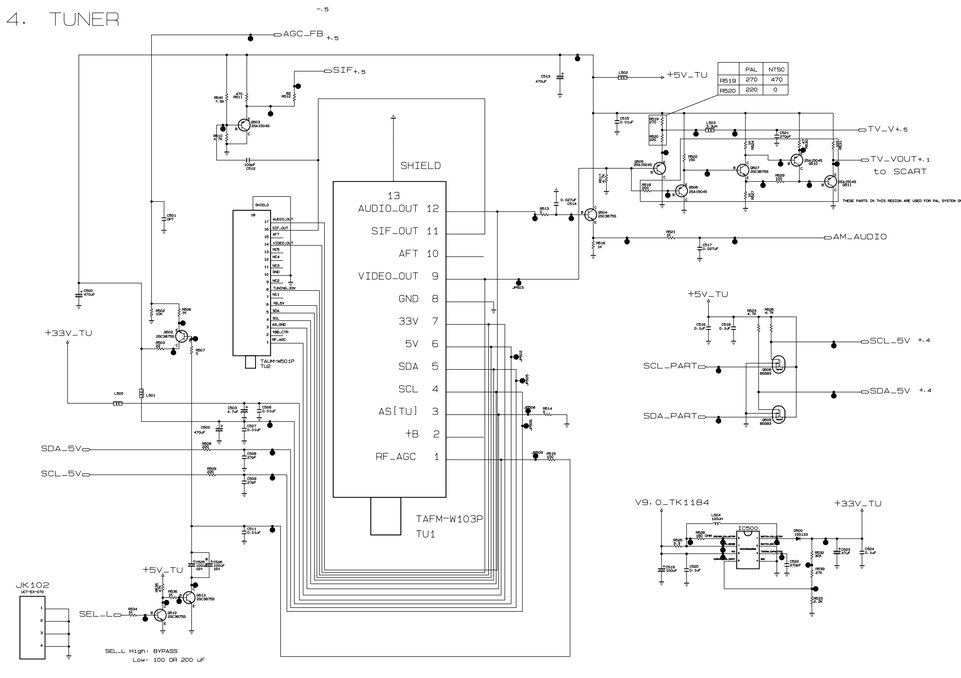
4. TUNER



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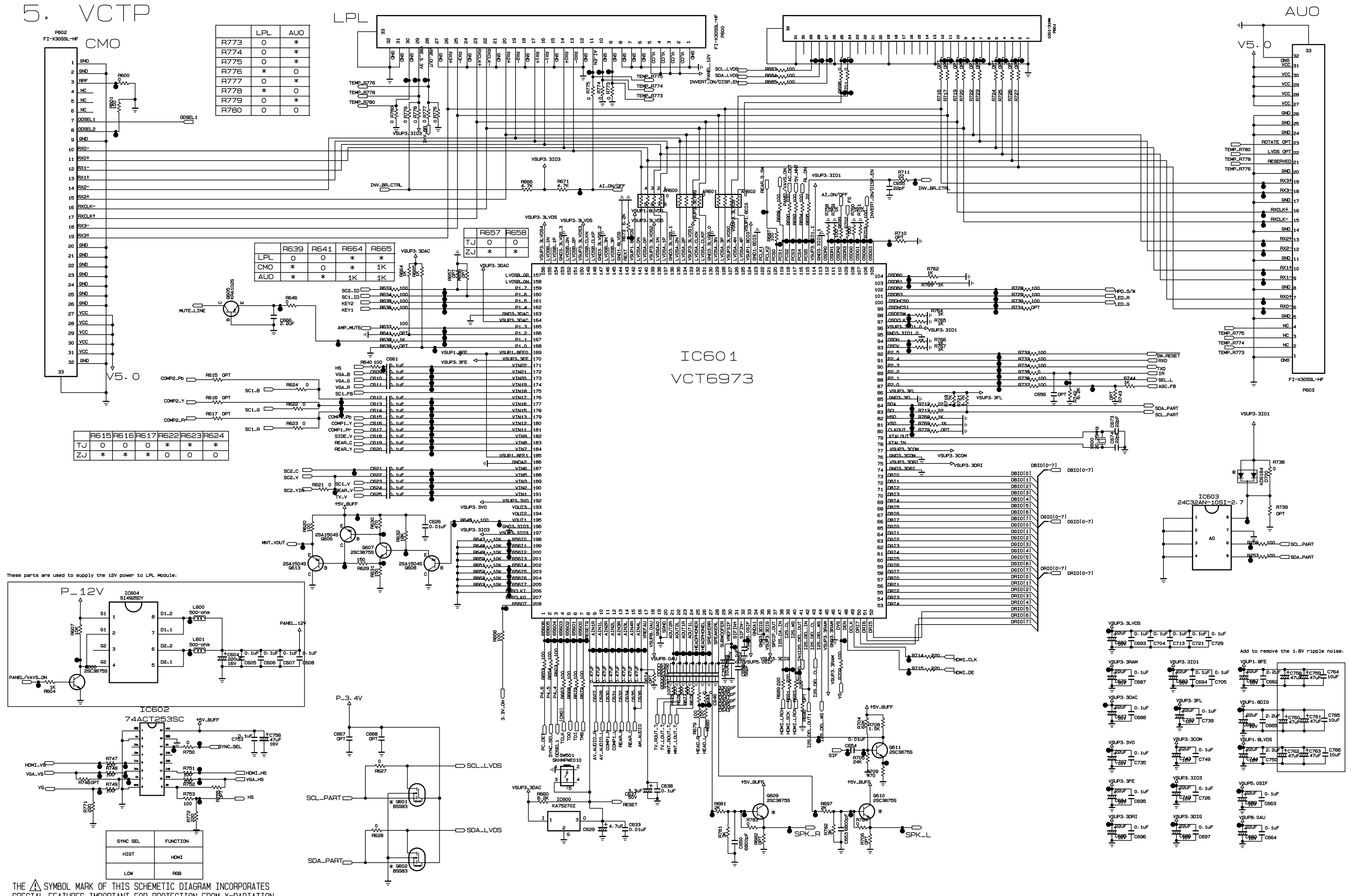
5. VCTP



LPL
AUO
CMO
V5.0
IC601
VCT6973
| | LPL | AUO |
R773 O *
R774 O *
R775 O *
R776 * O
R777 O *
R778 * O
R779 O *
R780 O O
| | R639 | R641 | R664 | R665 |
LPL O O * *
CMO * O * 1K
AUO * * 1K 1K
| | R657 | R658 |
TJ O O
ZJ * *
| | R615 | R616 | R617 | R622 | R623 | R624 |
TJ O O O * * *
ZJ * * * O O O
These parts are used to supply the 12V power to LPL Module.
P_12V
IC604
SI4925DY
IC602
74ACT253SC
SYNC SEL FUNCTION
HIGT HDMI
LOW RGB
IC603
24C32AN-10SI-2.7
P_3.4V
SCL_LVDS
SDA_LVDS
SCL_PART
SDA_PART
SPK_R
SPK_L
Add to remove the 1.8V ripple noise.

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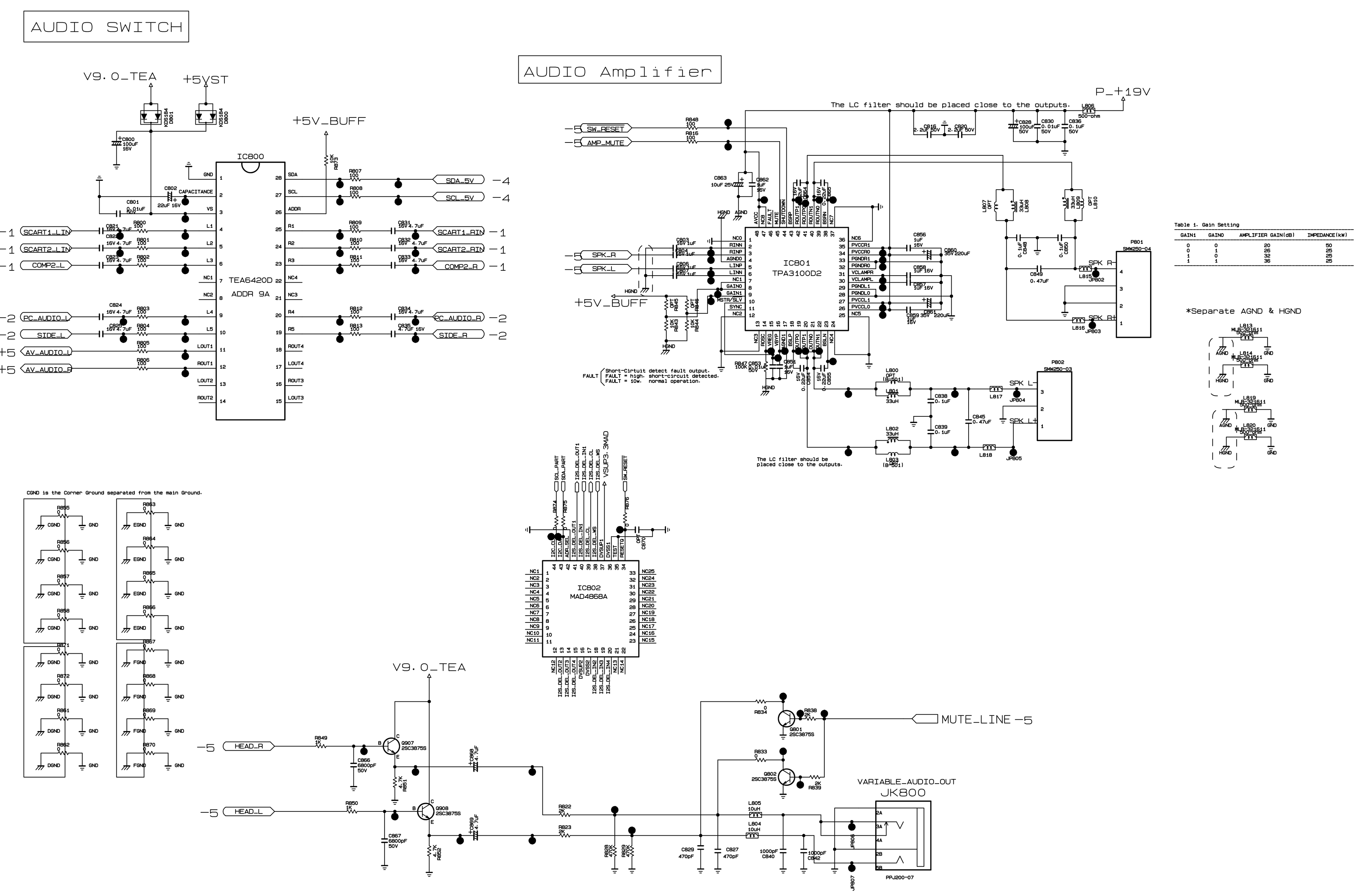
6. AUDIO



AUDIO SWITCH
V9.0_TEA
+5VST
+5V_BUFF
IC800
TEA6420D
ADDR 9A
AUDIO Amplifier
P_+19V
The LC filter should be placed close to the outputs.
IC801
TPA3100D2
+5V_BUFF
SPK L-
SPK L+
SPK R-
SPK R+
*Separate AGND & HGND
IC802
MAD4868A
CGND is the Corner Ground separated from the main Ground.
V9.0_TEA
MUTE_LINE -5
VARIABLE_AUDIO_OUT
JK800

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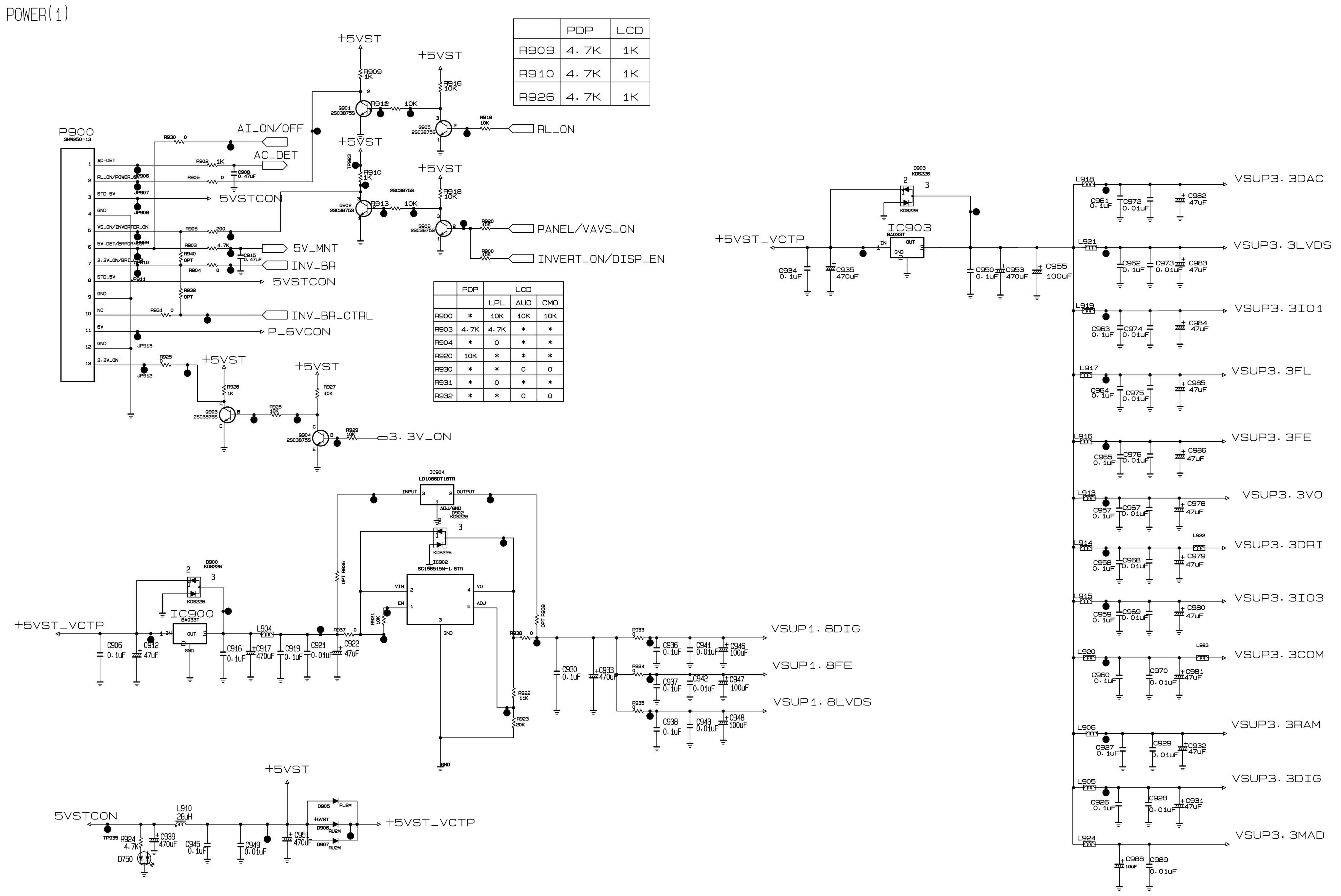
7. POWER(1)



| | PDP | LCD |
R909 4.7K 1K
R910 4.7K 1K
R926 4.7K 1K
P900
+5VST
AI_ON/OFF
AC_DET
5VSTCON
5V_MNT
INV_BR
INV_BR_CTRL
P_6VCON
RL_ON
PANEL/VAVS_ON
INVERT_ON/DISP_EN
3.3V_ON
| | PDP | LCD LPL | LCD AUO | LCD CMO |
R900 * 10K 10K 10K
R903 4.7K 4.7K * *
R904 * O * *
R920 10K * * *
R930 * * O O
R931 * O * *
R932 * * O O
+5VST_VCTP
IC903
IC900
VSUP1.8DIG
VSUP1.8FE
VSUP1.8LVDS
VSUP3.3DAC
VSUP3.3LVDS
VSUP3.3IO1
VSUP3.3FL
VSUP3.3FE
VSUP3.3VO
VSUP3.3DRI
VSUP3.3IO3
VSUP3.3COM
VSUP3.3RAM
VSUP3.3DIG
VSUP3.3MAD
5VSTCON

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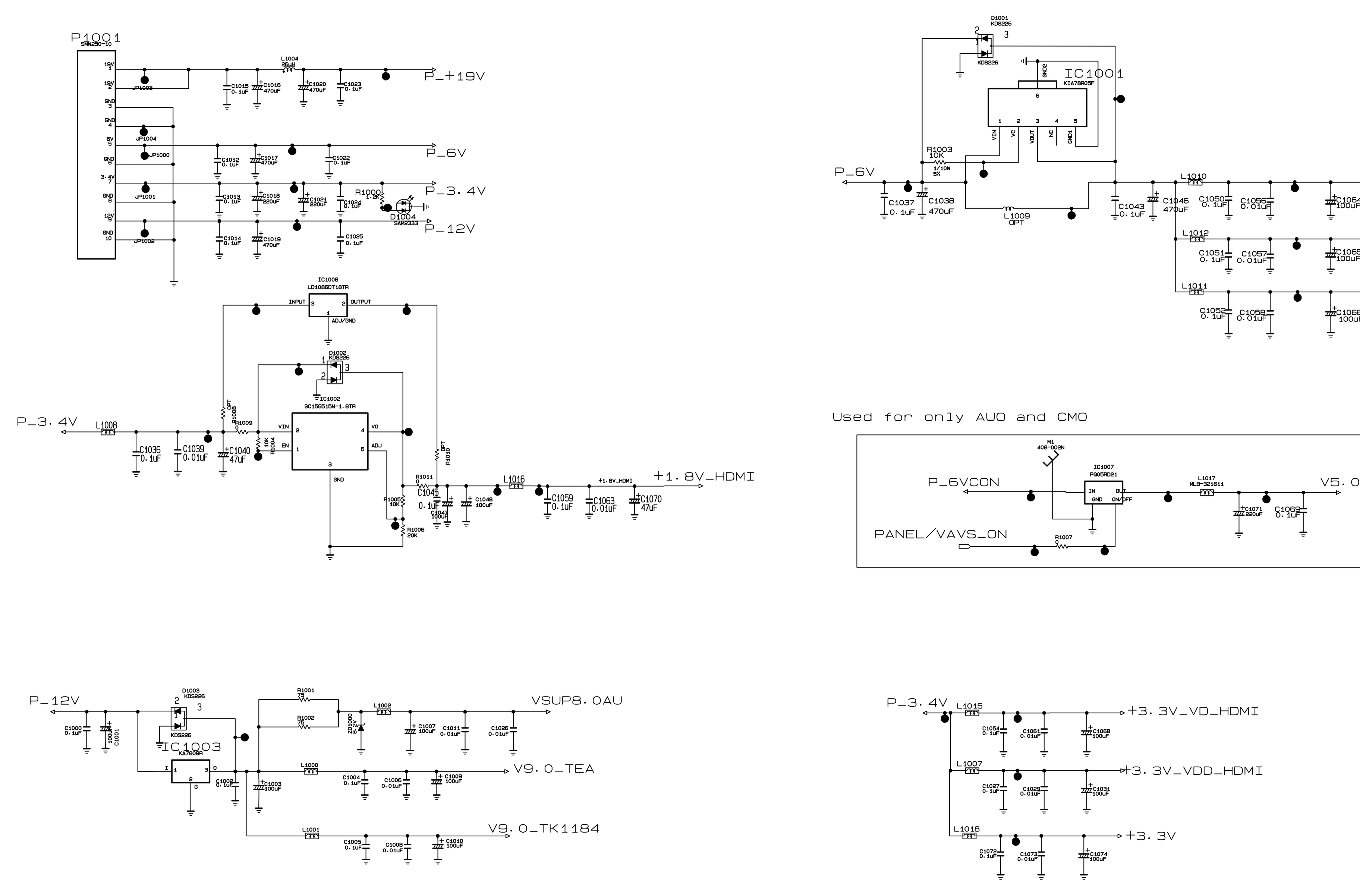
8. POWER



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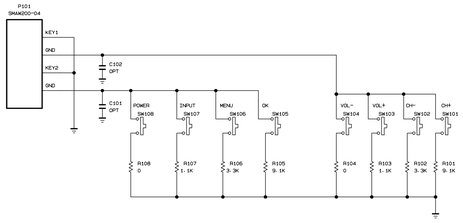
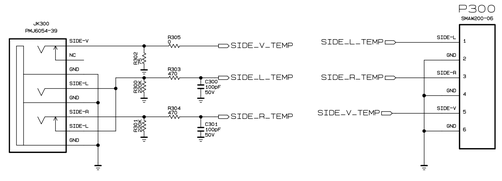
LCD SUB

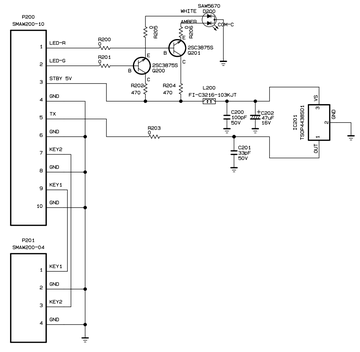
Local Key (68709S0142A)



Side-AV(68709S0144A)



Preamp+LED(68709S0932B)



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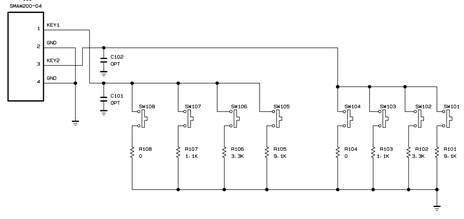
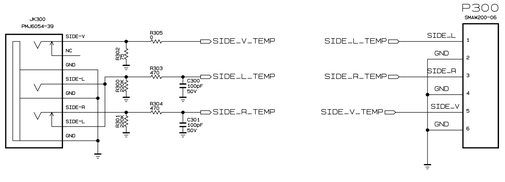
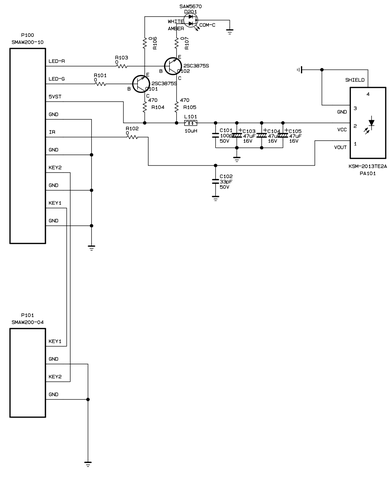
LOCAL KEY(68709S0138A)



SIDE-AV(68709S0927A)



PREAMP+LED(68709S0178A)



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P/NO : MFL35930007

Dec., 2006
Printed in Korea